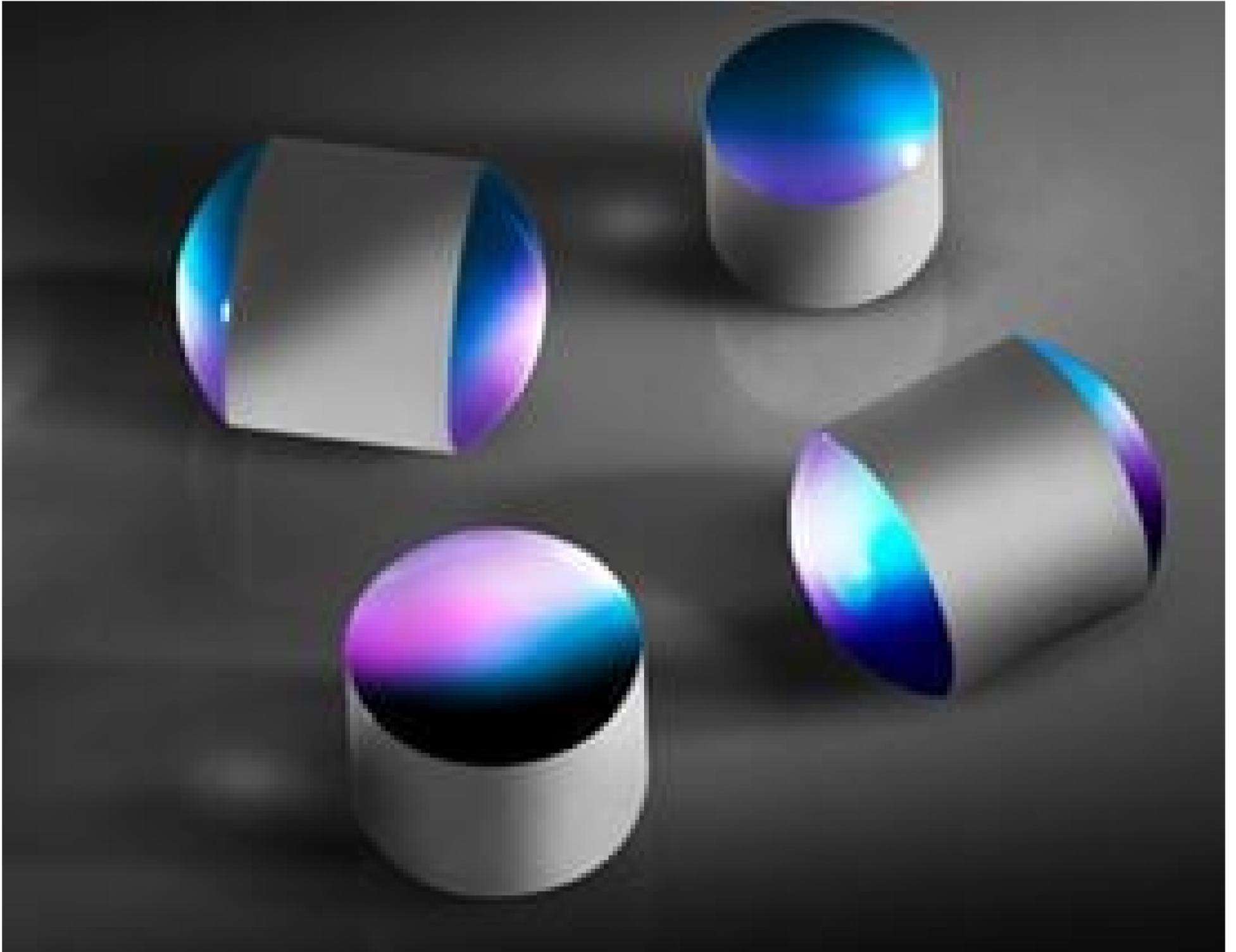


[See all 6 Products in Family](#)

TECHSPEC® 2.4mm Diameter x 3.0mm Length NIR I Coated, N-BK7 Drum Lens



Stock #45-837 [CONTACT US](#)

− 1 + €79.⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1+ | €79,00 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Drum Lens **Type:**

Physical & Mechanical Properties

2.40 **Diameter (mm):**

3.00 **Length (mm):**

±3 **Length Tolerance (µm):**

| | |
|---------|---------------------------------|
| 1.50 | Radius R (mm): |
| +0/-1.5 | Radius Tolerance (µm): |
| +0/-50 | Diameter Tolerance (µm): |

Optical Properties

| | |
|--|---|
| N-BK7 | Substrate: <input type="checkbox"/> |
| NIR I (600-1050nm) | Coating: |
| 600 - 1050 | Wavelength Range (nm): |
| R _{avg} ≤ 0.5% @ 600 - 1050nm | Coating Specification: |
| 1.517 | Index of Refraction (n_d): |
| 40-20 | Surface Quality: |

Regulatory Compliance

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

Product Details

- Easier to Mount and Handle Than Standard Ball Lenses
- Drum lenses are glass spheres, ground down axially to provide a mounting surface. The ground circumference D simplifies handling issues typically associated with ball lenses. Ideal for optical transmission in fiber communications. Type B Drum lenses have a polished plano-surface for direct fiber contact and perform as elongated PCX lenses.

Technical Information

| D | Radius R | Length | Length L2 | Stock No. |
|--------------------------------|----------|--------|-----------|-----------|
| Type A Drum Lenses | | | | |
| 2mm | 1.25mm | 2.5mm | 1.5mm | #45-548 |
| | | | | #45-739 |
| | | | | #45-836 |
| | | | | #45-663 |
| | | | | #45-743 |
| 2.4mm | 1.5mm | 3mm | 1.8mm | #45-549 |
| | | | | #45-837 |
| | | | | #45-664 |
| | | | | #45-744 |
| 3.2mm | 2mm | 4mm | 2.4mm | #45-550 |
| | | | | #45-741 |
| | | | | #45-838 |
| | | | | #45-665 |
| | | | | #45-745 |
| 4mm | 2.5mm | 5mm | 3mm | #45-551 |
| | | | | #45-839 |
| | | | | #45-742 |
| | | | | #45-666 |
| Type B Half-Drum Lenses | | | | |
| 2mm | 1.25mm | 2mm | 1.5mm | #46-524 |
| | | | | #46-528 |
| 2.4mm | 1.5mm | 2.4mm | 1.8mm | #46-525 |
| | | | | #46-529 |
| 3.2mm | 2mm | 3.2mm | 2.4mm | #46-526 |
| | | | | #46-530 |

| | | | | |
|--|-------|-----|-----|---------|
| 4mm | 2.5mm | 4mm | 3mm | #46-527 |
| | | | | #46-531 |
| <p style="text-align: center;"> Drum Lenses (Type A) Half-Drum Lenses (Type B) </p> | | | | |

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](#).