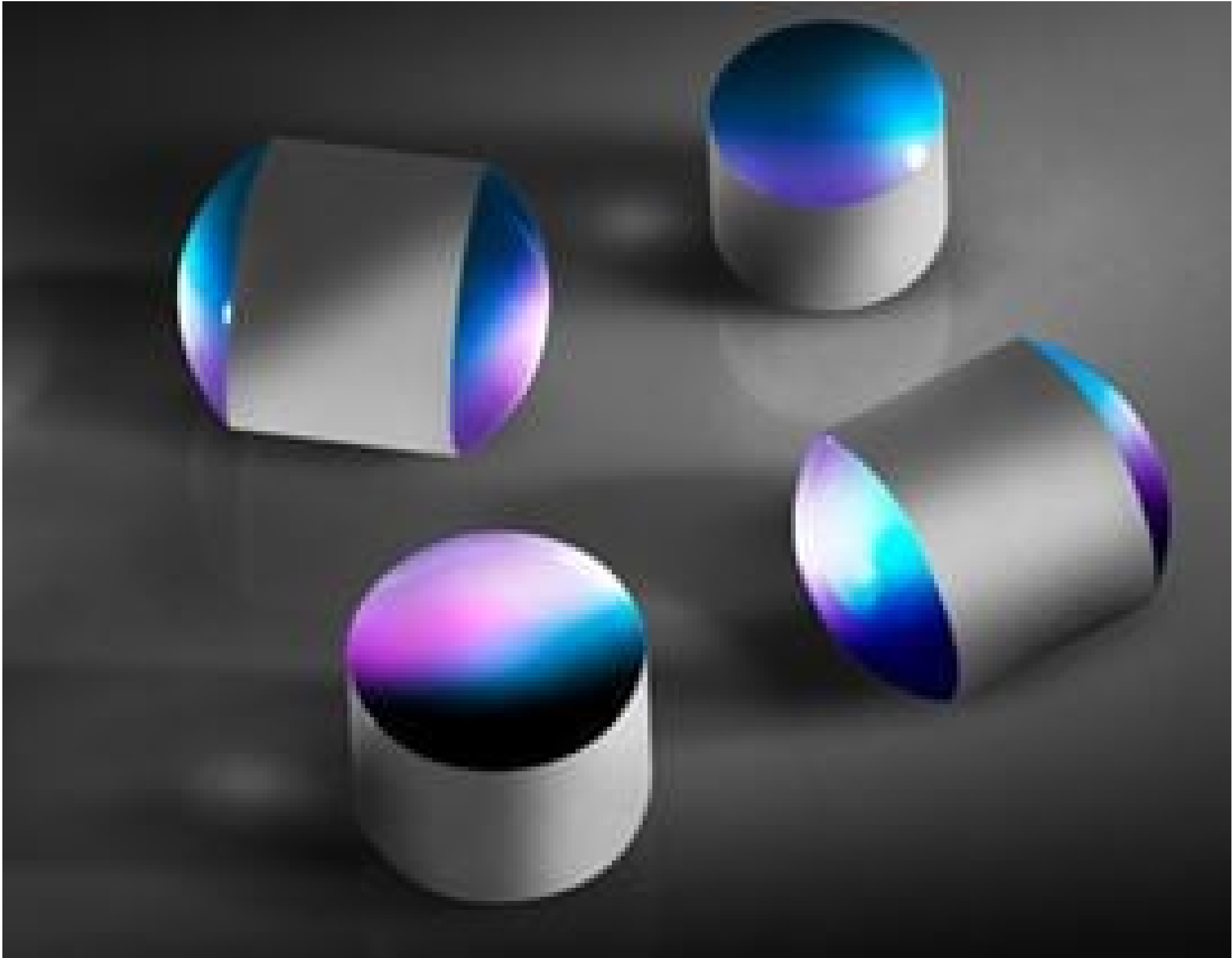


TECHSPEC<sup>®</sup> 2.4mm Diameter x 3.0mm Length, N-BK7 Drum Lens



Stock #45-549 20+ In Stock

-

1

+

£52<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | £52.40 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:  
Drum Lens

Physical & Mechanical Properties

Diameter (mm):  
2.40

Length (mm):  
3.00

Length Tolerance (µm):  
±3

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

|                    |                                        |
|--------------------|----------------------------------------|
| Optical Properties |                                        |
| N-BK7              | Substrate: <input type="text"/>        |
| Uncoated           | Coating:                               |
| 350 - 2200         | Wavelength Range (nm):                 |
| 1.517              | Index of Refraction (n <sub>d</sub> ): |
| 40-20              | Surface Quality:                       |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 219:                  |
| View                  | Certificate of Conformance: |

### 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

- 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 |

