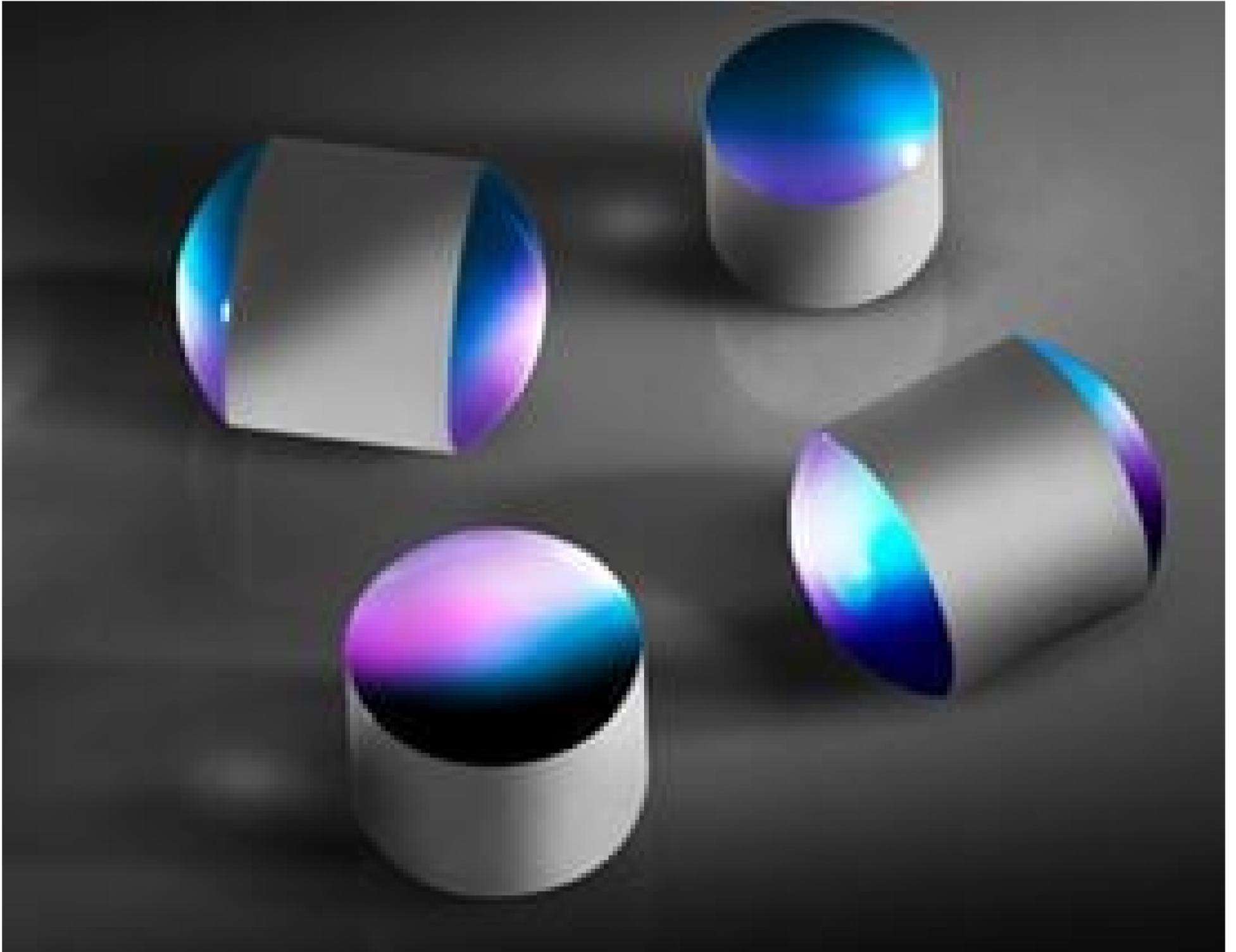


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**TECHSPEC® 2.4mm Diameter x 3.0mm Length NIR I Coated, N-BK7 Drum Lens**



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

- 1 + C\$110.<sup>00</sup>

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Volume Pricing	
Qty 1+	C\$110.60 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Drum Lens **Type:**

**Physical & Mechanical Properties**

2.40 **Diameter (mm):**

3.00 **Length (mm):**

±3 **Length Tolerance (µm):**

**Radius R(mm):**

1.50

+0/-1.5 Radius Tolerance (µm):

+0/-50 Diameter Tolerance (µm):

### Optical Properties

**N-BK7** Substrate: □

NIR I (600-1050nm) Coating:

600 - 1050 Wavelength Range (nm):

R<sub>avg</sub> ≤0.5% @ 600 - 1050nm Coating Specification:

1.517 Index of Refraction (n<sub>d</sub>):

40-20 Surface Quality:

### Regulatory Compliance

**Compliant** RoHS 2015:

**View** Certificate of Conformance:

**Compliant** Reach 235:

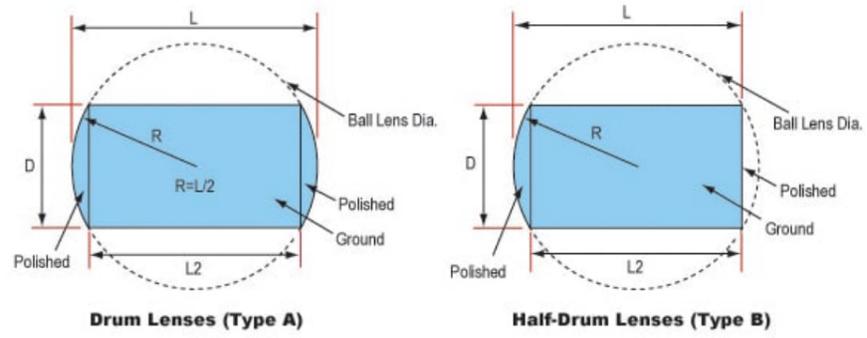
## Product Details

- 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.
<b>Type A Drum Lenses</b>				
2mm	1.25mm	2.5mm	1.5mm	<a href="#">#45-548</a>
				<a href="#">#45-739</a>
				<a href="#">#45-836</a>
				<a href="#">#45-663</a>
				<a href="#">#45-743</a>
2.4mm	1.5mm	3mm	1.8mm	<a href="#">#45-549</a>
				<a href="#">#45-837</a>
				<a href="#">#45-664</a>
				<a href="#">#45-744</a>
3.2mm	2mm	4mm	2.4mm	<a href="#">#45-550</a>
				<a href="#">#45-741</a>
				<a href="#">#45-838</a>
				<a href="#">#45-665</a>
				<a href="#">#45-745</a>
4mm	2.5mm	5mm	3mm	<a href="#">#45-551</a>
				<a href="#">#45-839</a>
				<a href="#">#45-742</a>
				<a href="#">#45-666</a>
<b>Type B Half-Drum Lenses</b>				
2mm	1.25mm	2mm	1.5mm	<a href="#">#46-524</a>
				<a href="#">#46-528</a>
2.4mm	1.5mm	2.4mm	1.8mm	<a href="#">#46-525</a>
				<a href="#">#46-529</a>
3.2mm	2mm	3.2mm	2.4mm	<a href="#">#46-526</a>
				<a href="#">#46-530</a>
4mm	2.5mm	4mm	3mm	<a href="#">#46-527</a>



## 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](#).