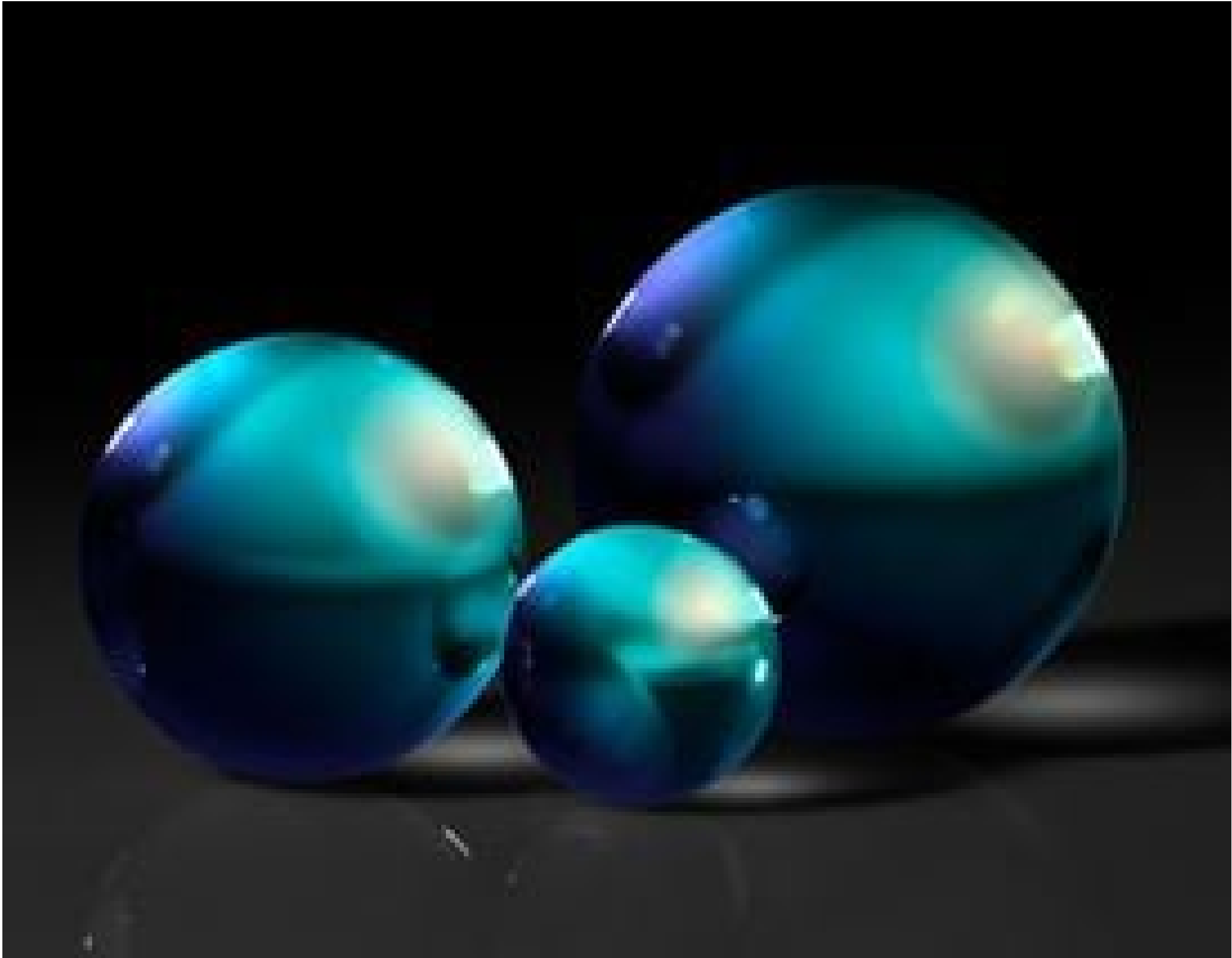


TECHSPEC® 1.0mm Diameter, LASFN-35 Ball Lens



Stock #47-128 20+ In Stock

-

1

+

A\$144<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | A\$144.00 each                |
| Qty 11-49      | A\$128.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                          |
|----------------------------------|--------------------------|
| Ball Lens                        | Type:                    |
| Physical & Mechanical Properties |                          |
| 1.00                             | Diameter (mm):           |
| +0/-3                            | Diameter Tolerance (µm): |
| Optical Properties               |                          |

|                       |                                        |
|-----------------------|----------------------------------------|
| LASFN-35              | Substrate: <input type="checkbox"/>    |
| Uncoated              | Coating:                               |
| 400 - 2400            | Wavelength Range (nm):                 |
| 2.022                 | Index of Refraction (n <sub>d</sub> ): |
| 2.00                  | Sphericity (μm):                       |
| Regulatory Compliance |                                        |
| Compliant             | RoHS 2015:                             |
| View                  | Certificate of Conformance:            |
| Compliant             | Reach 247:                             |

## Product Details

- 2.0 Index of Refraction
- High Tolerance
- [High Index Half-Ball Lenses](#) Also Available

TECHSPEC® High Index Ball Lenses provide for a shorter back focal length, simplifying fiber coupling, due to the high index of refraction. Ball lenses are manufactured from a single glass substrate and can either focus or collimate light. The LASFN-35 substrate has an Abbe Number of 29.06, density of 5.41g/cm<sup>3</sup>, and coefficient of linear expansion of 7.4 microns/°K (-30 to 70°C). TECHSPEC® High Index Ball Lenses are ideal for endoscopy, bar code scanning, ball pre-forms for aspheric lenses, and sensor applications.

## 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](#).

## Compatible Mounts