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**TECHSPEC® 50mm Dia. x 200mm FL, VIS 0° Coated, Achromatic Lens**



Stock **#49-286** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ ₹14,480

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹14,480 each
Qty 6-25	₹11,600 each
Qty 26-49	₹10,899 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Achromatic Lens **Type:**

**Physical & Mechanical Properties**

50.00 +0.0/-0.025 **Diameter (mm):**

49.00	Clear Aperture CA (mm):
<1	Centering (arcmin):
12.50 ±0.20	Center Thickness CT (mm):
9.00 ±0.10	Center Thickness CT 1 (mm):
3.50 ±0.10	Center Thickness CT 2 (mm):
9.11	Edge Thickness ET (mm):
Protective as needed	Bevel:

## Optical Properties

200.00	Effective Focal Length EFL (mm):
±1	Focal Length Tolerance (%):
194.45	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
130.48	Radius R <sub>1</sub> (mm):
-99.36	Radius R <sub>2</sub> (mm):
-320.20	Radius R <sub>3</sub> (mm):
<a href="#">N-BAK4</a> / <a href="#">N-SF10</a>	Substrate: <input type="checkbox"/>
40-20	Surface Quality:
4.00	f#:
0.13	Numerical Aperture NA:
VIS 0° (425-675nm)	Coating:
R <sub>avg</sub> ≤0.4% @ 425 - 675nm	Coating Specification:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
425 - 675	Wavelength Range (nm):

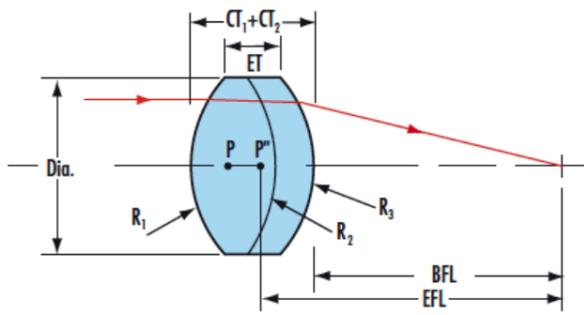
## Regulatory Compliance

<a href="#">Compliant</a>	RoHS 2015:
<a href="#">Compliant</a>	Reach 219:
<a href="#">View</a>	Certificate of Conformance:
Japan	Country of Origin:
Edmund Optics India Private Limited	Imported By:

## Product Details

- Designed for 0° Angle of Incidence
  - Less Than 0.4% Reflectance Per Surface from 425 - 675nm
  - [MgF<sub>2</sub>](#) and [VIS-NIR](#) Coated Achromats Also Available
- TECHSPEC® VIS 0° Coated Achromatic Lenses consist of two optical components cemented together to form an achromatic doublet. The doublet is computer optimized to correct for on-axis spherical and chromatic aberrations. Achromatic lenses are best for applications involving multi-color (white light) imaging due to their specific doublet lens pairing that enables them to correct the color separation inherent in glass. TECHSPEC® VIS 0° Coated Achromatic Lenses provide optimized transmission for 425 – 675nm, reducing average reflection to 0.4%. [MgF<sub>2</sub>](#) and [VIS-NIR](#) Coated Achromats are also available on our website.

## Technical Information



## Coating Curves

### 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

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