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**TECHSPEC® 5.0mm Diameter x 30.0mm FL, 785nm V-Coat, PCX Lens**



633nm Laser Line Coated Plano-Convex(PCX) Lenses



Stock **#89-020** **8 In Stock**

[Other Coating Options](#)

1  £47.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	£47.60 each
Qty 10-25	£43.20 each
Qty 26-49	£38.00 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Plano-Convex Lens **Type:**

**Physical & Mechanical Properties**

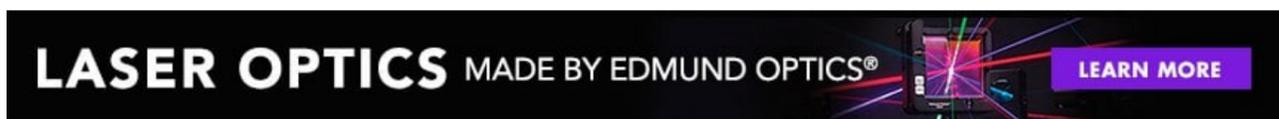
5.00 +0.0/-0.025	<b>Diameter (mm):</b>
<1	<b>Centering (arcmin):</b>
1.60 ±0.05	<b>Center Thickness CT (mm):</b>
1.40	<b>Edge Thickness ET (mm):</b>
4.5	<b>Clear Aperture CA (mm):</b>
Protective as needed	<b>Bevel:</b>
<b>Optical Properties</b>	
30.00 @ 587.6nm	<b>Effective Focal Length EFL (mm):</b>
28.95	<b>Back Focal Length BFL (mm):</b>
Laser V-Coat (785nm)	<b>Coating:</b>
R <sub>abs</sub> <0.25% @ 785nm	<b>Coating Specification:</b>
<b>N-BK7</b>	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
1.5λ	<b>Power (P-V) @ 632.8nm:</b>
λ/4	<b>Irregularity (P-V) @ 632.8nm:</b>
±1	<b>Focal Length Tolerance (%):</b>
15.50	<b>Radius R<sub>1</sub> (mm):</b>
6.00	<b>f#:</b>
0.08	<b>Numerical Aperture NA:</b>
785	<b>Design Wavelength DWL (nm):</b>
5 J/cm <sup>2</sup> @ 785nm, 10ns	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>

<b>Regulatory Compliance</b>	
<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 235:</b>

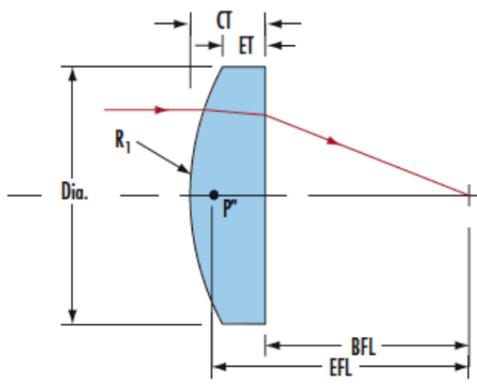
## Product Details

- <0.25% Reflection at 785nm
- BBAR Coating Options Also Available: [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)
- [405nm](#), [532nm](#), [633nm](#), 785nm, [980nm](#), [1064nm](#), and [1550nm](#) V-Coated Options Offered

TECHSPEC® 785nm Laser Line Coated Plano-Convex (PCX) Lenses are designed for maximum throughput at the specified laser wavelength. These lenses are ideal for collecting and focusing light from laser sources and their corresponding harmonics. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components. TECHSPEC® 785nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [405nm](#), [532nm](#), [633nm](#), [980nm](#), [1064nm](#), and [1550nm](#). Other coating options are available, including [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#).



## 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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