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TECHSPEC® 20.0mm Diameter x 20.0mm FL, 633nm V-Coat, PCX Lens



Stock #89-004 **3 In Stock** [Other Coating Options](#)

1

MRP ₹6,155

Price inclusive of all taxes

ADD TO CART

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



Volume Pricing	
Qty 1-9	₹6,155 each
Qty 10-25	₹5,550 each
Qty 26-49	₹4,919 each
Need More?	Request Quote

Product Downloads

- STEP:step
- STEP:stp
- Curve:pdf
- PDF Drawing:pdf
- ISO 10110 Drawing
- IGES:igs
- Zemax:zar
- Zemax:zmx
- eDrawing:eprt
- Code V:seq
- EO Spec Sheet
- [Download All](#)

General

Type: Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm): 20.00
+0.0/-0.025

Centering (arcmin): <1

Center Thickness CT (mm): 4.60 ±0.10

Edge Thickness ET (mm): 1.00

Clear Aperture CA (mm): 19

Bevel: Protective as needed

Optical Properties

Effective Focal Length EFL (mm): 20.00 @ 587.6nm

Back Focal Length BFL (mm): 17.42

Coating: Laser V-Coat (633nm)

Coating Specification: R_{abs} <0.25% @ 633nm

Substrate: [N-SF11](#)

Surface Quality: 40-20

Power (P-V) @ 632.8nm: 1.5λ

Irregularity (P-V) @ 632.8nm: λ/4

Focal Length Tolerance (%): ±1

Radius R₁ (mm): 15.70

f/#: 1.00

Numerical Aperture NA: 0.50

Design Wavelength DWL (nm): 633

Damage Threshold, By Design: 5 J/cm² @ 633nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant	Certificate of Conformance: View
Reach 235: Compliant	
Country of Origin: Japan	Imported By: Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

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

- <0.25% Reflection at 633nm for HeNe Applications
- BBAR Coating Options Also Available: [uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)
- [405nm](#), [532nm](#), 633nm, [785nm](#), [980nm](#), [1064nm](#), and [1550nm](#) V-Coated Options Offered

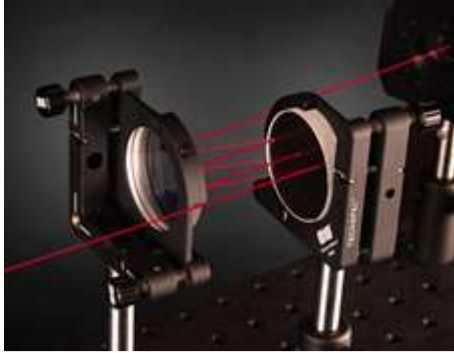
TECHSPEC® 633nm Laser Line Coated Plano-Convex (PCX) Lenses are designed for maximum throughput at the specified laser wavelength. These lenses are ideal for collecting and focusing light from laser sources and their corresponding harmonics. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components. TECHSPEC® 633nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [405nm](#), [532nm](#), [785nm](#), [980nm](#), [1064nm](#), and [1550nm](#). Other coating options are available, including [uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#).

LASER OPTICS MADE BY EDMUND OPTICS®

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Technical Information

Related Products



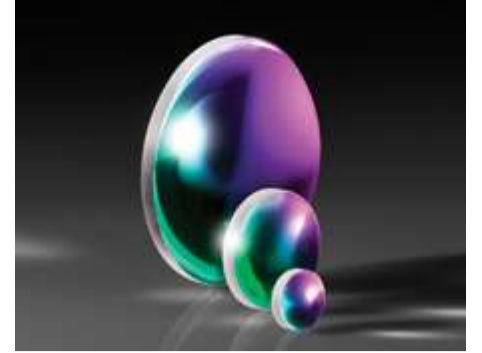
Laser Optics



Laser Sources

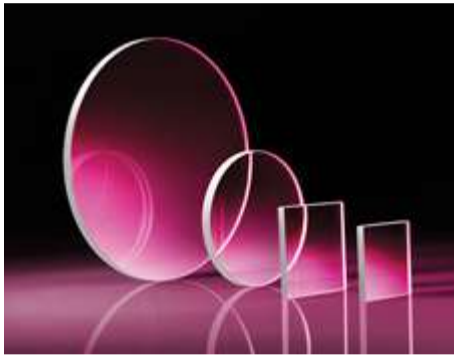


Arcturus® HeNe Beam Expanders



633nm Laser Line Coated Fused Silica PCX Lenses

Frequently Purchased Together



#45-636 - 10mm Diameter Uncoated, B270 Window
₹3,380

Qty



#54-624 - 15mm Diameter, C-Mount Thick Optic Mount
₹6,003

Qty



#54-626 - 20mm Diameter, C-Mount Thick Optic Mount
₹6,003

Qty



#56-354 - 25/25.4mm Diameter, C-Mount Thick Optic Mount
₹9,989

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	20.0mm Optic Dia., Optic Mount	Fixed		#64-559	₹3,305 Request Quote	14 In Stock <input type="text" value="1"/>

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Technical Tool
- Video
- FAQ
- Trending in Optics
- Glossary
- Scientific Paper
- Published Article

APPLICATION NOTE

An Introduction to Optical Coatings

TECHNICAL TOOL

Gaussian Beams Calculator

VIDEO

Polarization Directed Flat Lenses Product Review

FAQ

What is the best lens for focusing or collimating th...

TRENDING IN OPTICS

Free-Space Optical Communication

APPLICATION NOTE

Common Laser Optics Materials



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