

TECHSPEC®

25.4mm x -100mm FL, VIS 0° Imaging Grade PCV Cylinder Lens



Stock #34-665 **1 In Stock**

1 MRP ₹13,047

Price inclusive of all taxes

ADD TO CART

TECHSPEC® Beam Shaping PCV Cylinder Lenses

Volume Pricing	
Qty 1-5	₹13,047 each
Qty 6-25	₹11,800 each
Qty 26-49	₹11,224 each
Need More?	Request Quote

Product Downloads

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

General

Type: Cylinder Lens, Plano-Concave

Physical & Mechanical Properties

Diameter (mm):	25.40 +0.0/-0.025	Bevel:	Protective as needed
Center Thickness CT (mm):	6.50	Center Thickness Tolerance (mm):	±0.1
Clear Aperture CA (mm):	22.86	Edge Thickness ET (mm):	5.03

Optical Properties

Effective Focal Length EFL (mm):	-100.00	Substrate:	N-BK7
f/#:	4	Numerical Aperture NA:	0.13
Coating:	VIS 0° (425-675nm)	Wavelength Range (nm):	425 - 675
Back Focal Length BFL (mm):	-102.31	Coating Specification:	R _{avg} ≤0.4% @ 425 - 675nm
Radius R₁ (mm):	51.68	Surface Quality:	40-20
Power (P-V) @ 632.8nm:	1.5λ	Irregularity (P-V) @ 632.8nm:	λ/4

Plano Axis Wedge (arcmin): <5

Power Axis Wedge (arcmin): <5

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

Reach 235: **Compliant**

Country of Origin: China

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](#).

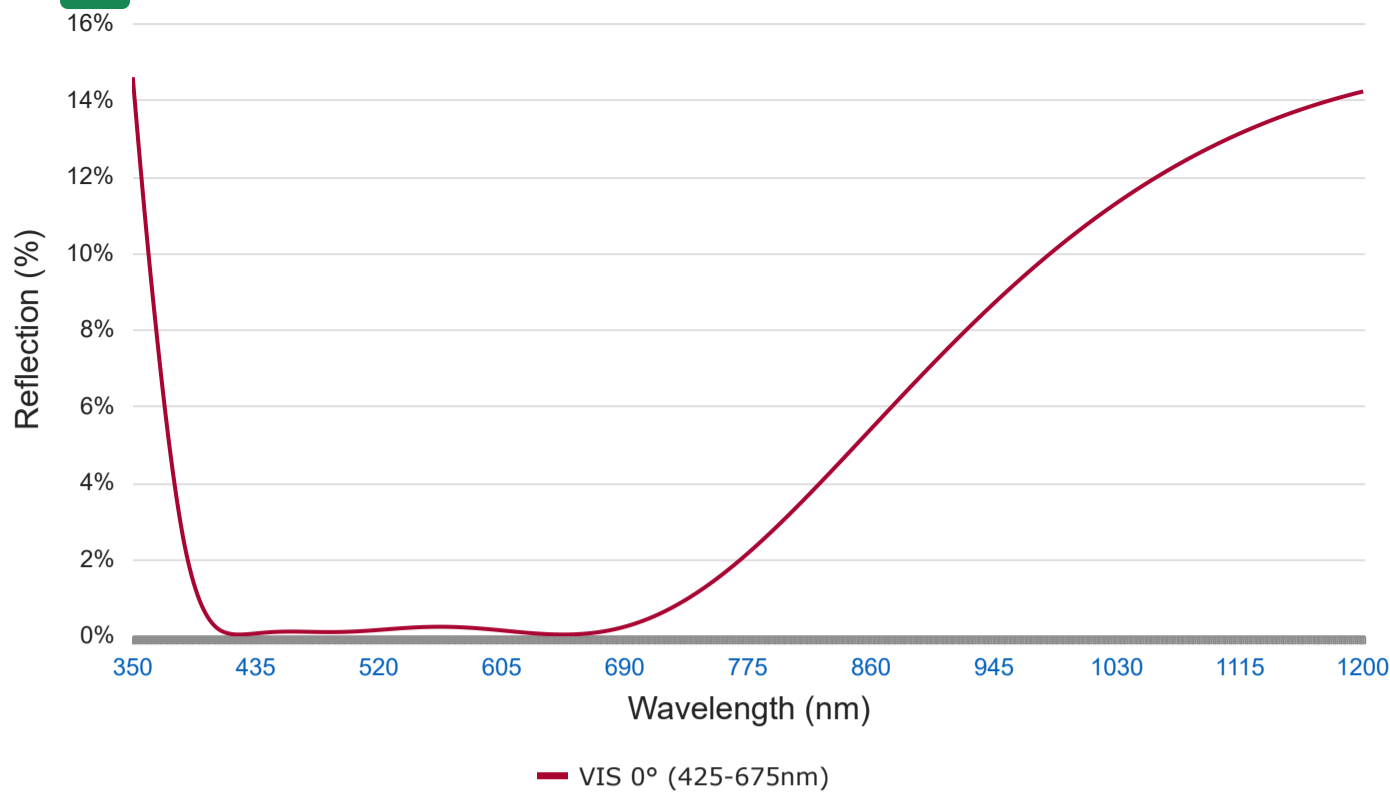
Product Details

- Beam Shaping Grade Specifications
- Used with [TECHSPEC® Imaging Grade PCX Cylinder Lenses](#) for Circularizing Beams
- Negative Focal Length

TECHSPEC® Imaging Grade PCV Cylinder Lenses are typically used to diverge collimated light in a single axis. These lenses are designed for system integration due to the tightly controlled specifications and generous volume discounts. TECHSPEC Imaging Grade PCV Cylinder Lenses feature tightly controlled wedge and tilt specifications and are ideal for circularizing elliptical beams in combination with our [TECHSPEC Imaging Grade PCX Cylinder Lenses](#).

Coating Curves

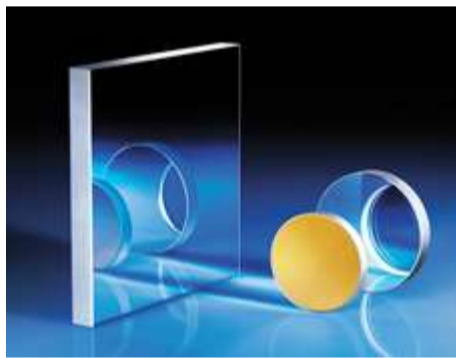
VIS 0° (425-675nm)



SHIFT + SELECT an area on CURVE to zoom

Please note that coating performance outside each product's specified design range is theoretical and may vary.

Frequently Purchased Together



#32-943 - 15mm Dia Enhanced Aluminum, 4-6λ Mirror
₹2,876

Qty



#32-484 - 30.0mm Dia. x 50.0mm FL, MgF₂ Coated, Plano-Convex Lens
₹5,448

Qty



#32-486 - 30.0mm Dia. x 75.0mm FL, MgF₂ Coated, Plano-Convex Lens
₹5,297

Qty



#32-488 - 30.0mm Dia. x 100.0mm FL, MgF₂ Coated, Plano-Convex Lens
₹5,297

Qty

Resources

Media Type

- Application Note
- Trending in Optics
- Published Article
- FAQ
- Glossary
- Video

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

Laser Beam Shaping Overview

TRENDING IN OPTICS

Non-Circular Optics for System Miniaturization

APPLICATION NOTE

What are Cylinder Lenses?

APPLICATION NOTE

Considerations When Using Cylinder Lenses

PUBLISHED ARTICLE

Cylinder Lenses for Beam Shaping



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