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All Products / Optics / Optical Lenses / Aspheric Lenses / Glass Polished / Hyperbolic Aspheric Lenses

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TECHSPEC® 25mm Dia. x 25mm FL, 532nm V-Coat, Hyperbolic Aspheric Lens

Hyperbolic Aspheric Lenses

Stock **#89-431** 3-5 DAYS

Other Coating Options

- 1 + S$362.50

ADD TO CART

Qty 1-5
S$362.50

Qty 6+
S$316.10

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CUSTOM OPTIONS

SPECIFICATIONS

General

Type:
Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):
25.00 +0.0/-0.1

Centering (arcmin):
≤5

Clear Aperture CA (mm):
23.00

Edge Thickness ET (mm):
1.77

Center Thickness CT (mm):
6.61 ±0.1

Bevel:
Protective bevel as needed

Shape of Back Surface:
Convex

Optical Properties

Effective Focal Length EFL (mm):
25.00 @ 532nm

Numerical Aperture NA:
0.50

Back Focal Length BFL (mm):
25.00

Substrate:
N-BK7

Aspheric Design Wavelength (nm):
532

Coating:
Laser V-Coat (532nm)

Coating Specification:
R_{abs} <0.25% @ 532nm

Surface Quality:
40-20

f/#:
1.00

Radius R_2 (mm):
12.987

Conjugate Distance:
Infinite

Asphere Figure Error, @ 632.8nm:
1.6λ RMS and 6λ PV

Power (diopters):
40.00

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

PRODUCT DETAILS

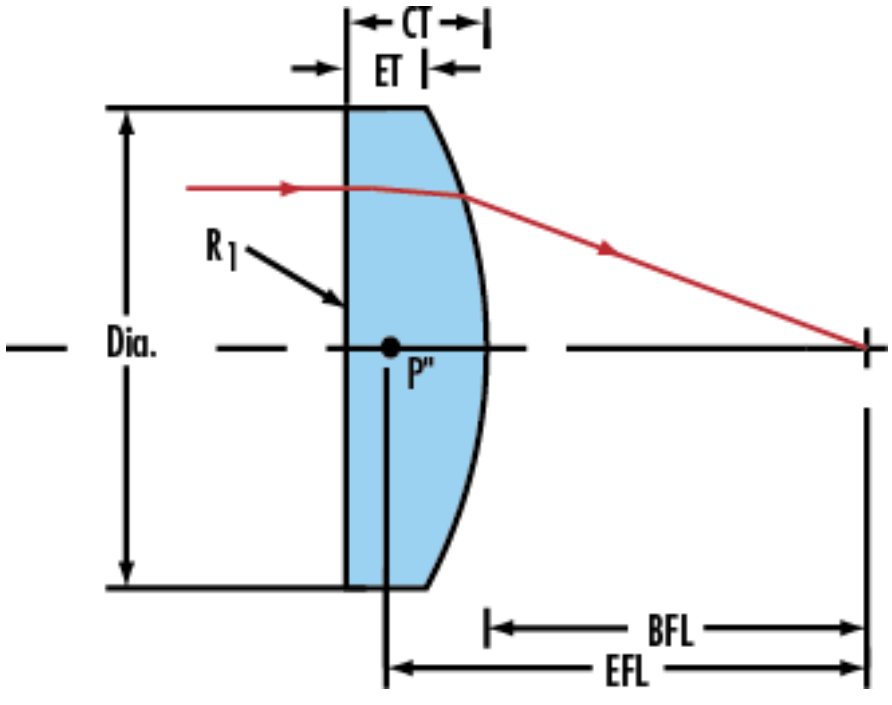
Unlike traditional focusing lenses, these lenses should be used with the plano side facing the light source.

- Designed and Coated for Nd:YAG Laser Wavelengths
- Aspheric Figure Error of 1.6λ RMS and 6λ PV
- Modified **TECHSPEC® PCX Lenses**

TECHSPEC® Hyperbolic Aspheric Lenses are **TECHSPEC® PCX Lenses** that have been modified to include a mild aspheric surface to provide superior performance at specified wavelengths. Unlike the preexisting spherical lenses, TECHSPEC Hyperbolic Aspheric Lenses produce diffraction-limited spot sizes at the design wavelength, which is ideal for focusing or collimating applications. Any standard lens from Edmund Optics can be modified similarly to TECHSPEC Hyperbolic Aspheric Lenses to create your ideal surface and offer a low-cost boost to performance and to provide the best solution for specific application needs.

Note: Unlike traditional focusing lenses, these lenses should be used with the plano side facing the light source.

TECHNICAL INFORMATION



COMPATIBLE MOUNTS