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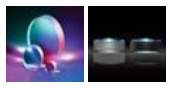
TECHSPEC® 6.25mm Dia. x 30mm EFL, UV-VIS Coated, Near UV Achromatic Lens



Stock **#84-331** CLEARANCE **20+ In Stock**

- 1 + **€104**.95

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Qty 1+	**€104,95** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):
6.25 +0.0/-0.025

Clear Aperture CA (mm):
5.25

Centering (arcmin):
<1

Center Thickness CT (mm):
3.00 ±0.10

Center Thickness CT 1 (mm):
2.00 ±0.05

Center Thickness CT 2 (mm):
1.00 ±0.05

Edge Thickness ET (mm):
2.61

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
30.00

Focal Length Tolerance (%):
±1

Back Focal Length BFL (mm):
28.39

Focal Length Specification Wavelength (nm):
405.00

Radius R_1 (mm):
16.37

Radius R_2 (mm):
-16.37

Radius R_3 (mm):
-52.44

Substrate:
N-FK5 / F2HT

Surface Quality:
40-20

f/#:
4.8

Numerical Aperture NA:
0.10

Coating:
UV-VIS (345-700nm)

Coating Specification:
R_{avg} ≤1.5% @ 345 - 700nm

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Wavelength Range (nm):
345 - 700

Regulatory Compliance

RoHS 2015:
Exempt

Certificate of Conformance:
View

Reach 235:
Compliant

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.

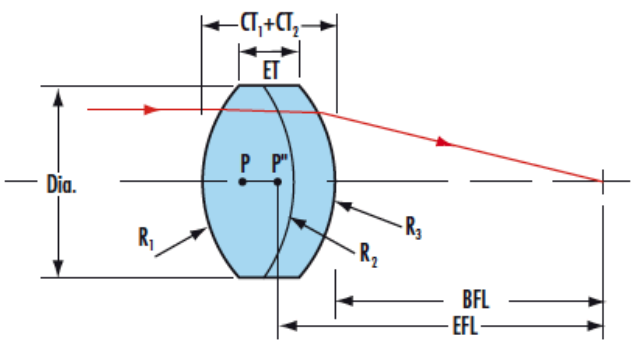
Product Details

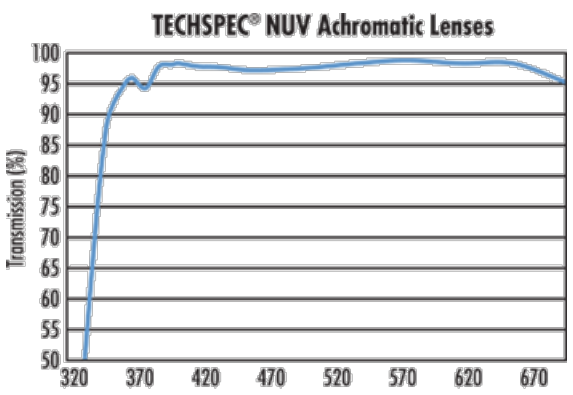
- Excellent Transmission in 345 – 700nm Range
- Ideal for use with NUV LEDs and Mercury Lamps
- Low-Cost, Cemented Design

TECHSPEC® Near-UV (NUV) Achromatic Lenses are specifically designed to minimize the spot size for polychromatic illumination in the 345 – 700nm region. The achromatic lenses are ideal for use in fluorescence applications,

as well as for simple focusing of common UV light sources, such as Mercury Arc Lamps, UV LEDs, and Tripled Nd:YAG lasers. Featuring a simple cemented design, the lenses are an excellent alternative to air-spaced doublets and triplets for the UV. TECHSPEC® Near-UV (NUV) Achromatic Lenses feature >90% transmission at 360nm and provide >50% transmission at 334nm. The lenses feature either N-FK5 or F2HT substrate and a UV-VIS coating.

Technical Information





Compatible Mounts

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