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Wide Angle λ/4 Waveplate, 25.4mm Dia. 1550nm

Stock **#29-819** **1 In Stock**

- 1 +

MRP **₹1,79,133**

Price inclusive of all taxes

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General

Type:

Polymer Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

17.8

Diameter (mm):

25.40

Dimensional Tolerance (mm):

+/- 0.13

Optical Properties

Angle of Incidence (°):
±30

Design Wavelength DWL (nm):
1550

Substrate:
Polymer Film on N-BK7

Reflection (%):
0.5

Retardance:
λ/4

Surface Quality:
60-40

Transmitted Wavefront, RMS:
≤ λ/2 @ 632.8nm

Retardance Tolerance:
≤ λ/250 @ 0 deg AOI, λ/200 at 30 deg

Beam Deviation (arcmin):
≤ 1 arcmin

Threading & Mounting

Mount Thickness (mm):
6.35

Environmental & Durability Factors

Operating Temperature (°C):
0 - 40

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

REACH 241:
Compliant

Country of Origin:
United States

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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Product Details

- Up To λ/250 Retardance Tolerances Out to 30° AOI
- Near Zero-Order Laminated Polymer Construction
- Ideal for Applications with Wide Acceptance Angles

Wide Angle Waveplates are designed to accept a large range of input angles, up to 30° AOI, with minimal retardance shift at non-zero angles of incidence. These waveplates are available with visible or NIR designed wavelengths of 532, 633, 1064 or 1550nm and with λ/2 or λ/4 retardance values. Featuring ≤λ/250 quarter-wave and ≤λ/100 half-wave retardance accuracies at the center, these waveplates are ideal for applications that require low sensitivity to AOI. Wide Field Waveplates are mounted and constructed with birefringent polymer on a N-BK7 substrate and coated with BBAR coatings.

Note: The fast axis is marked with a line.

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