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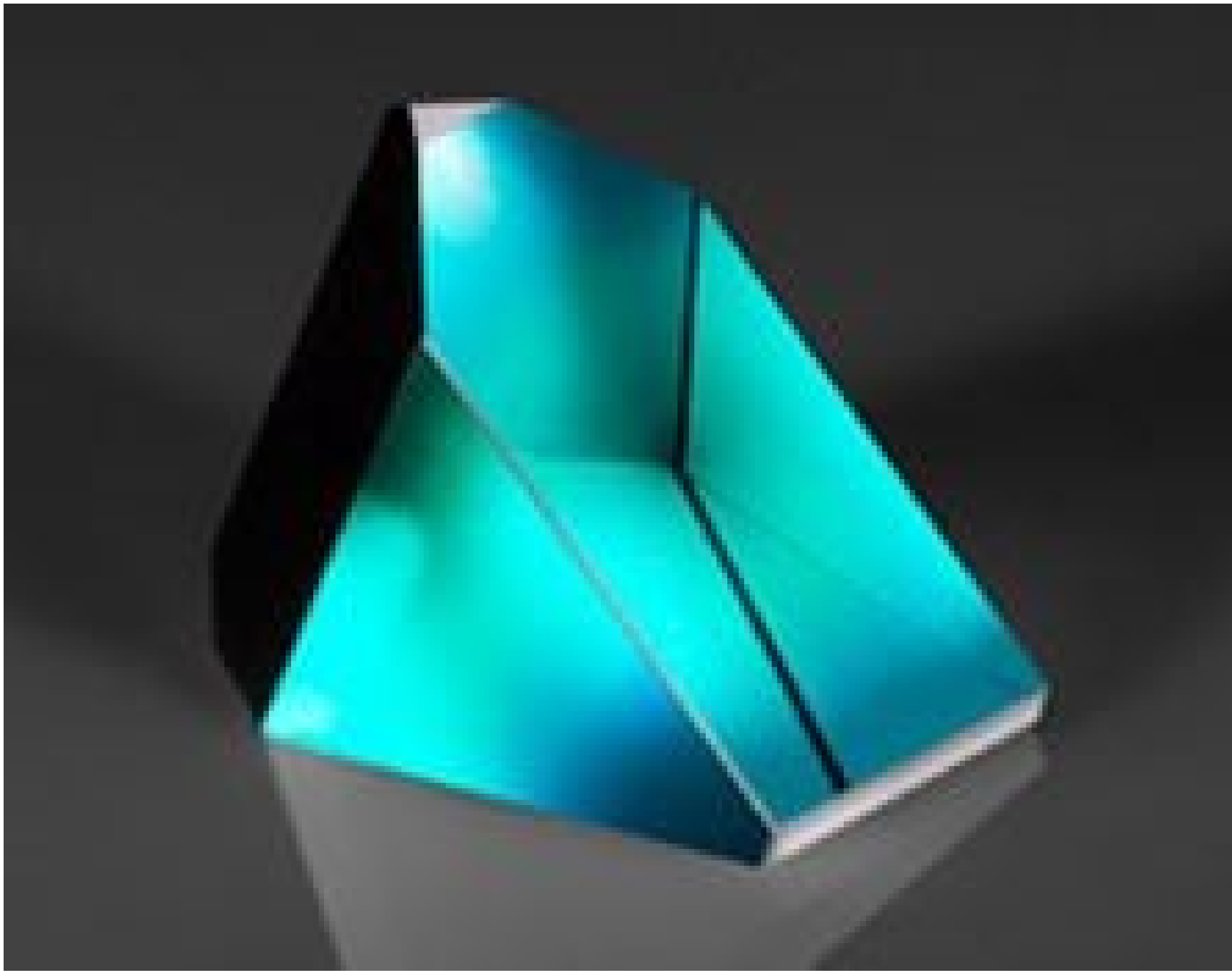
TECHSPEC® 10mm Aluminized, Schmidt Prism



Stock **#47-259** **20+ In Stock**

- 1 + **₹16,830**

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Qty 1-5	**₹16,830** each
Qty 6-25	**₹13,500** each
Qty 26-99	**₹12,600** each
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General

Type:

Schmidt Prism

Physical & Mechanical Properties

Height (mm):

16.5

Length (mm):

14.70

Dimensional Tolerance (mm):
±0.1

Bevel:
Protective as needed

Width (mm):
10.00

Optical Properties

Coating:
VIS 0° & Aluminized

Substrate:
N-BK7

Surface Quality:
40-20

Angle Tolerance (arcmin):
5.00

Image Orientation:
Right-Handed

Coating Specification:
Entrance/Exit Faces: R_{avg} ≤0.4% @ 425 - 675nm
Roof: R_{avg} >85% @ 400 - 700nm w/Black Overpaint

Ray Deviation (°):
45

Wavelength Range (nm):
400 - 700

Power (fringes) @ 632.8nm:
1.00

Irregularity (fringes) @ 632.8nm:
0.25

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

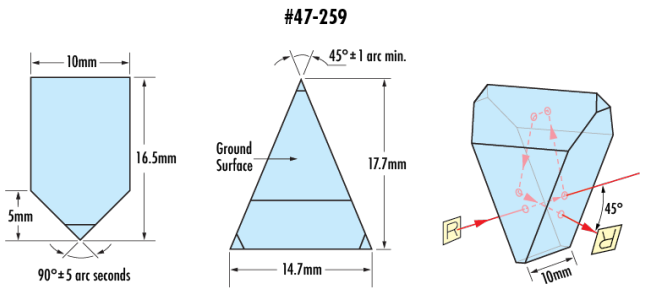
Reach 233:
Compliant

Product Details

- Ray Deviation of 45°
- Right Handed Image
- 5 Arcsecond Roof Angle Tolerance
- Combine with Half-Penta Prism to Create Schmidt-Pechan Prism

Schmidt prisms are ideal for creating a right handed image with a ray deviation of 45°. They are similar in function to **TECHSPEC® Amici Roof Prisms**, however the 45° deviation makes Schmidt prisms especially useful in eyepiece assemblies and imaging systems requiring a path bend. The aluminized roof surfaces enhance the overall efficiency while the 5arcsecond roof angle tolerance increases the prism's resolution. TECHSPEC® Schmidt Prisms can be combined with **TECHSPEC® Half-Penta Prisms** to create a Pechan prism.

Technical Information



Custom

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.**