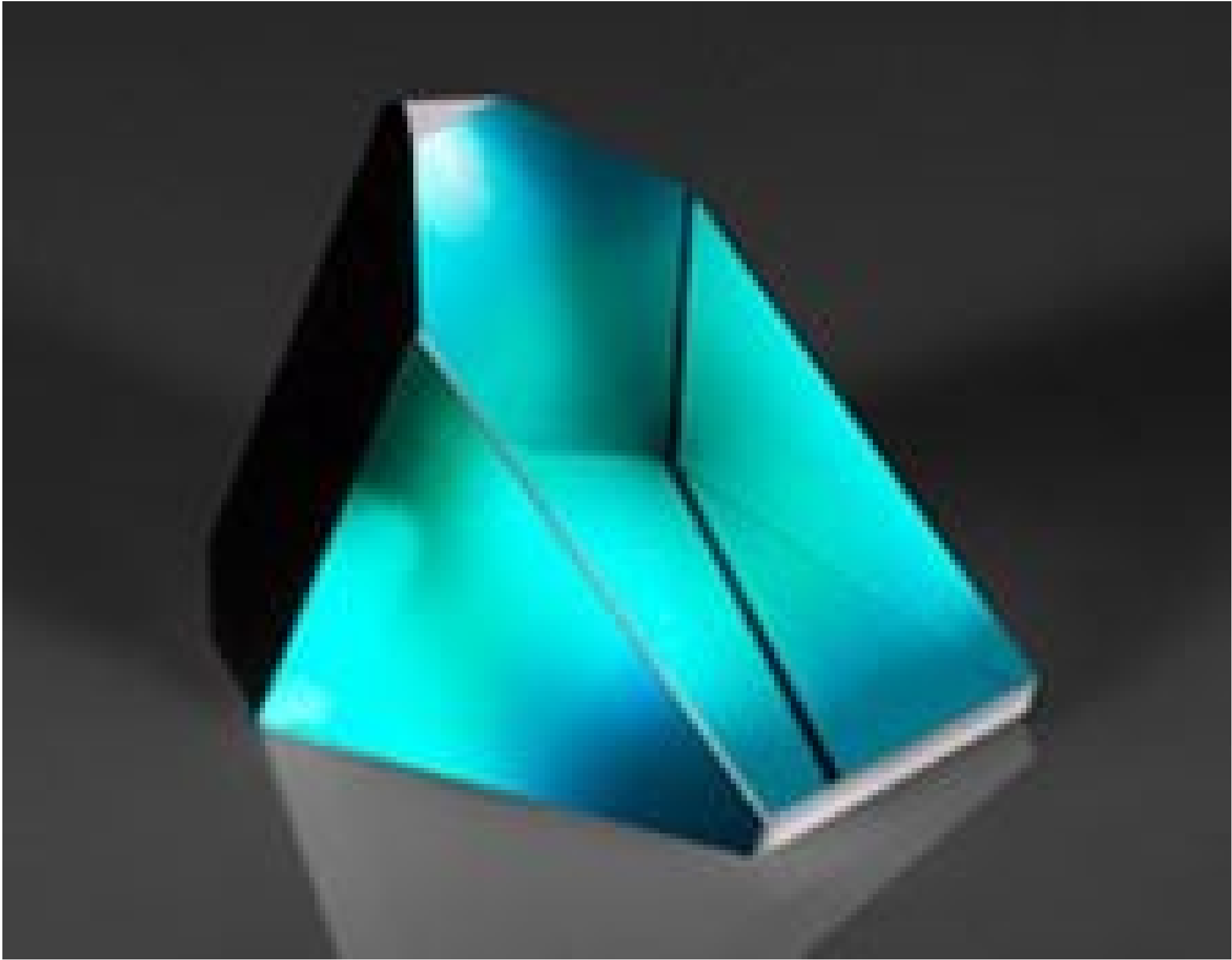


TECHSPEC® 10mm Aluminized, Schmidt Prism



Stock #47-259 20+ In Stock

-

1

+

£163^{.20}

ADD TO CART

Volume Pricing	
Qty 1-5	£163.20 each
Qty 6-25	£131.20 each
Qty 26-99	£122.40 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Schmidt Prism

Type:

Physical & Mechanical Properties

16.5

Height (mm):

14.70

Length (mm):

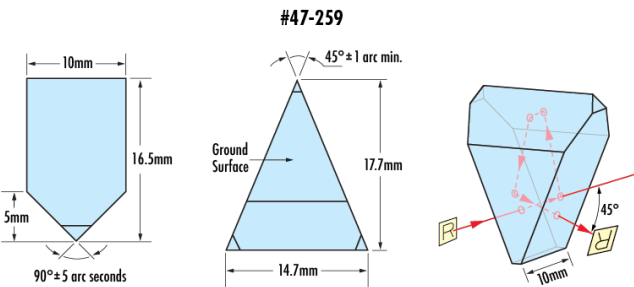
Dimensional Tolerance (mm):	
±0.1	
Bevel:	
Protective as needed	
Width (mm):	
10.00	
Optical Properties	
Coating:	
VIS 0° & Aluminized	
Substrate: ☐	
N-BK7	
Surface Quality:	
40-20	
Angle Tolerance (arcmin):	
5.00	
Image Orientation:	
Right-Handed	
Coating Specification:	
Entrance/Exit Faces: R _{avg} ≤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](#).

