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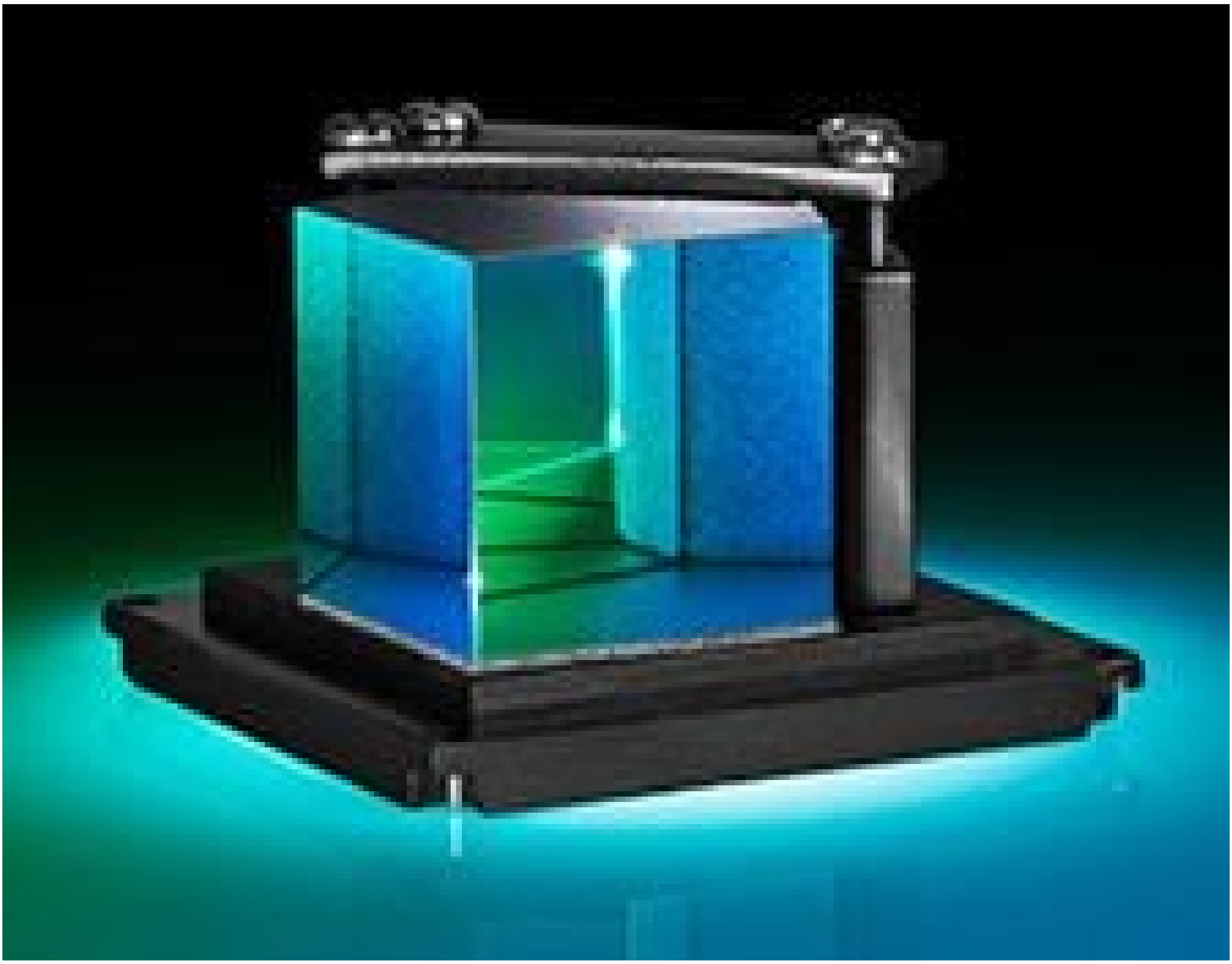
TECHSPEC® Penta Prism in C-Mount Cube



#53-401, Penta Prism in C-Mount Cube (Case Removed)

Stock **#53-401** CONTACT US

- 1 + **€417**,00

ADD TO CART

Volume Pricing	
Qty 1-4	**€417,00** each
Qty 5-9	**€368,00** each
Qty 10-25	**€338,70** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Penta Prism

Physical & Mechanical Properties

Extension Length (mm):
38.0

Dimensional Tolerance (mm):
±0.10

Bevel:
Protective as needed

Construction:
Housing: Black Anodized Aluminum

Length of Legs (mm):
25.00

Optical Properties

Coating:
MgF_2 & Aluminized

Substrate:
N-BK7

Surface Quality:
60-40

Angle Tolerance (arcmin):
3

Image Orientation:
Right-Handed

Coating Specification:
Entrance/Exit Faces: R_{avg} ≤1.75% @ 400 - 700nm
Reflecting Surfaces: R_{avg} >85% @ 400 - 700nm
w/Black Overpaint

Ray Deviation (°):
90

Wavelength Range (nm):
400 - 700

Power (fringes) @ 632.8nm:
3.00

Irregularity (fringes) @ 632.8nm:
0.25

Threading & Mounting

Mounting Threads:
¼-20

Thread Type:
C-Mount (1" x 32 TPI)

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 251:
Compliant

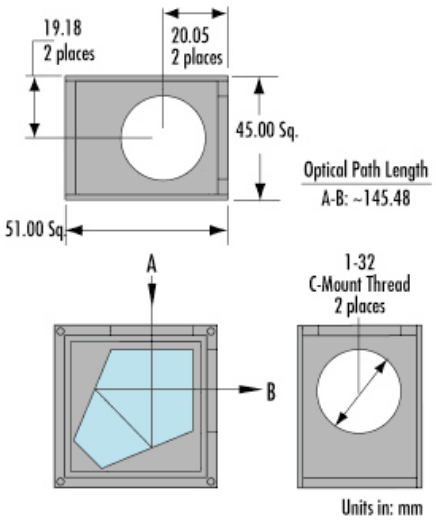
Product Details

- Ray Deviation of 90°
- Right Handed Image
- Ideal for Visual/ Video Applications
- Easily Integrates with Our **C-Mount Components**

Designed for use with C-mount compatible hardware, our TECHSPEC® C-Mounted Penta Prism is quickly and easily integrated. A **TECHSPEC® N-BK7 Penta Prism** is fixed securely within a black anodized aluminum housing with two female C-mount apertures. Applications include space-restricted visual/video imaging systems requiring ray deviation of 90°. Entrance and exit faces (at the apertures) are anti-reflection coated to maximize efficiency and reduce the effect of double-images. A ¼-20 tapped hole in the base permits post mounting.

Penta prisms are five-sided prisms featuring a ray deviation of 90° and a right handed image. The reflecting surfaces are aluminized for increased efficiency. Slight movement of the prism does not affect the true right angle at which light rays are reflected, making a penta prism the ideal optical tool for defining a right angle in an optical system.

Technical Information


19.18
2 places
20.05
2 places
45.00 Sq.
Optical Path Length
A-B: ~145.48
51.00 Sq.
A
B
1-32
C-Mount Thread
2 places
Units in: mm

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