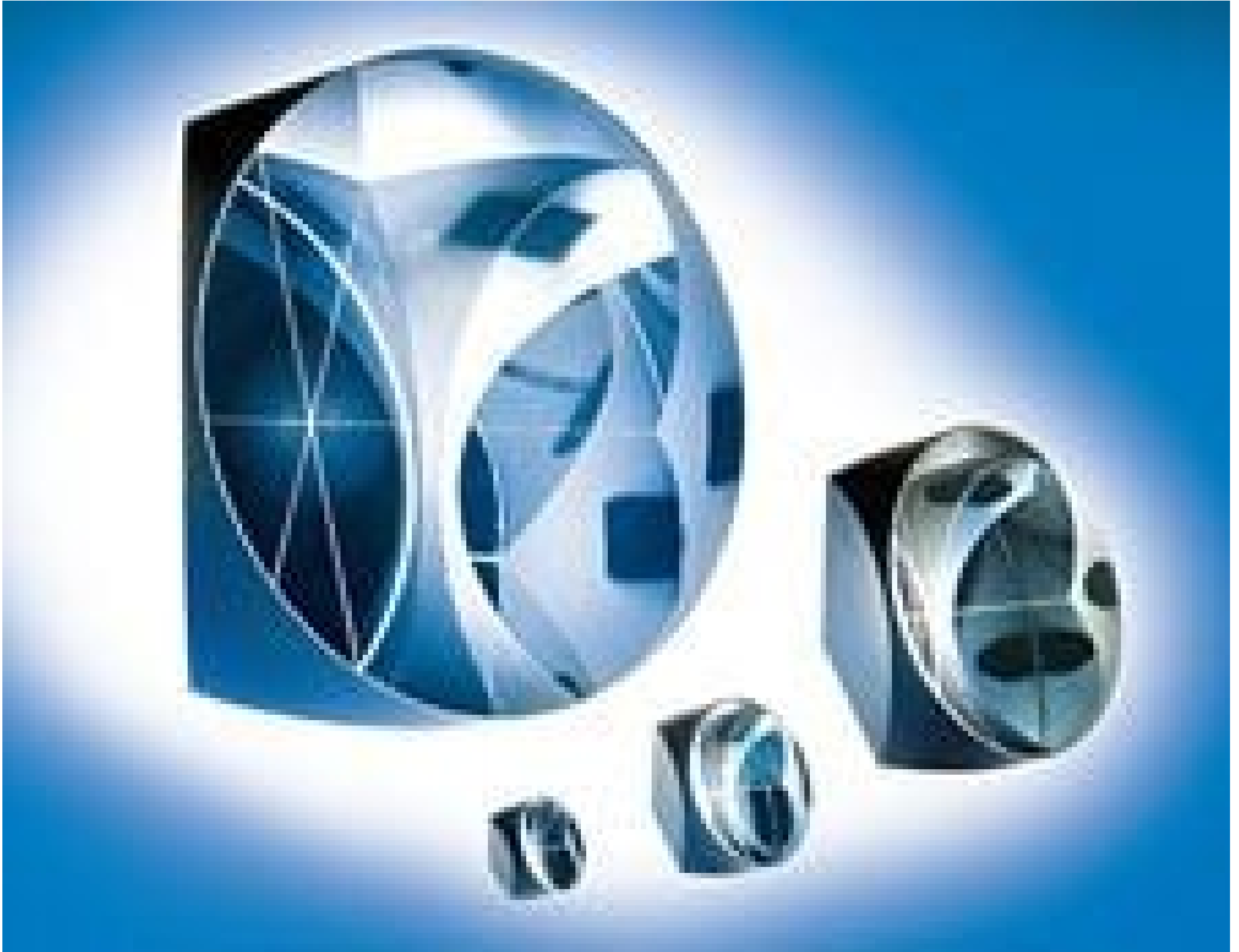


TECHSPEC® 50.8mm Aluminum Coated, Fused Silica Corner Cube



Stock **#49-015** [CONTACT US](#)

⊖ 1 ⊕ €575⁰⁰

ADD TO CART

Qty 1-5

€575,00

Qty 6+

€462,00

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads



SPECIFICATIONS

General

Type:
Retroreflector

Note:
Black Overpaint is 30-60 µm Thick

Physical & Mechanical Properties

Diameter (mm):
50.80 +0.00/-0.10

Height (mm):
38.10

Clear Aperture (%):
95

Height Tolerance (mm):
±0.25

Optical Properties

Beam Deviation (arcsec):
3

Coating:
Aluminum with protective overcoat

Substrate:
[Fused Silica](#) (Coming 7980)

Surface Quality:
20-10

Image Orientation:
Left-Handed

Coating Specification:
Reflective Surfaces: $R_{av} > 85\%$ FROM 400-700nm, @
45° AOI

Ray Deviation (°):
180

Wavelength Range (nm):
400 - 700

Damage Threshold, Reference:
Reflective Surfaces: 0.3 J/cm² @ 532nm & 1064nm,
10ns

Power (fringes) @ 632.8nm:
0.20

Irregularity (fringes) @ 632.8nm:
0.20

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Reach 219:
[Compliant](#)

Certificate of Conformance:
[View](#)

PRODUCT DETAILS

- Incident Light is Reflected Back to the Source
- Excellent Transmission in UV
- Useful for Surveying and Alignment
- Additional [Corner Cube Retroreflectors](#) Available

TECHSPEC® UV Fused Silica Corner Cube Retroreflectors are designed to reflect any ray or beam entering the prism face, regardless of the orientation of the prism, back onto itself. A mirror will only do that at the normal angle of incidence. As a result, corner cube retroreflectors are ideal where precision alignment is difficult or time-consuming. TECHSPEC® UV Fused Silica Corner Cube Retroreflectors feature three total internal reflections and will function even at very large angles of incidence. These retroreflectors are made from UV Fused Silica which features low thermal expansion and excellent transmission throughout the UV, VIS, and NIR spectral ranges.

TECHNICAL INFORMATION

A (mm)	B (mm)	Stock No. Uncoated	Stock No. Aluminum Coated
7.16	6.1	#49-008	#49-012
12.7	10.16	#49-009	#49-013
25.4	19.05	#49-010	#49-014
50.8	38.1	#49-011	#49-015

