



Выбрать язык

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Home - Corner Cube Retro Reflector

Corner Cube Retro Reflector



Overview

Corner Cube Retro Reflector are used to reflect light beam back to the direction that it comes from. The reflected beam is always parallel to to the incident beam, and it travels in the reverse direction of the incident beam. This hold true regardless of the angle of incident beam. The beam reflection is achieved either through total internal reflection or by mirror coating on the rear surface of the retro reflector . An Incident beam filling the effective aperture, is reflected exactly back on itself.

The Protective Al₂ coating can be given to the rear reflecting Surface to avoid total internal reflection failure at high incident Angle.



Specifications

- Material:----- BK7 Grade A optical glass
- Dimension Tolerance: ----- +or -0.2 mm
- Clear Aperture: ----->80%
- Deviation:----- 180°±15 arc seconds
- Flatness: -----λ/2 on big surface, λ /4 on other surfaces
- Surface Quality:----- 60-40 scratch and dig
- Wavefront Distortion:-----λ/2 @633nm
- Bevel:----- 0.2 mm to 0.5 mm
- Coating on input and output sides:-----Uncoated

Sizes: Dia (D): 15mm to 50.8mm & Height(H) is from 11.3 to 37.5mm

Prisms

- Penta Prism
- Beam Splitter Penta Prism
- Right Angle Prism
- Corner Cube Retro Reflector
- Dove Prism
- Equilateral Prism (Dispersive Prism)



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