

Zinc sulphide prisms

The most frequently requested specifications for zinc sulphide prisms are as follows:

Length of hypotenuse	up-to $100 \pm 0.1\text{mm}$
Length of sides	up-to $100 \pm 0.1\text{mm}$
Thickness	$30 \pm 0.05\text{mm}$
Angle tolerance	better than 1 arc minute
Edge finish	ground, blacked
Clear aperture	90% of entrance dimensions
Chamfer	$0.3 \times 0.3 @ 45^\circ$
Form error	better than $\lambda/4$ (633nm) over aperture
Surface quality	20-10 scratch/ dig

Coatings

BBAR coating @1-12 μm

Diamond-Like Carbon (DLC) coating @1-12 μm

Our capabilities are always expanding so if your requirement is not mentioned above please enquire as we have many years of experience in this field.

Contact our multilingual technical sales team and discover how Knight Optical's high quality zinc sulphide prism capabilities and service can improve your instrumentation and supply chain experience.