

# Capabilities



## Sapphire prisms

The most frequently requested specifications for sapphire prisms are as follows:

<b>Length of hypotenuse</b>	up-to 120 ± 0.1mm
<b>Length of sides</b>	up-to 100 ± 0.1mm
<b>Thickness</b>	30 ± 0.05mm
<b>Angle tolerance</b>	better than 1 arc minute
<b>Edge finish</b>	ground, blacked
<b>Clear aperture</b>	90% of entrance dimensions
<b>Chamfer</b>	0.3x0.3@45°
<b>Form error</b>	0.2 fringe from test flat
<b>Surface quality</b>	60-40 scratch/ dig

## Coatings

BBAR coating @1-5µm

Diamond-Like Carbon (DLC) coating @1-5µm

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 sapphire prism capabilities and service can improve your instrumentation and supply chain experience.

