



Discover how we can improve your
instrumentation and supply chain
experience today!

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BK7 Windows for Wind LiDAR Systems

Knight Optical offer a range of [Stock BK7 Windows](#), for use within Wind Monitoring LiDAR Systems. These LiDAR systems are used in monitoring wind speeds and wind direction. The data accumulated can be used to generate a Digital Terrain Model or a Digital Elevation Model which are 3D representations of terrain.

BK7 is one of the most widely used optical glasses available for use in the range from visible up to the near infrared. Making it ideal as a protective window for Wind LiDAR systems which operate at 1500-1560nm. The BK7 can offer an uncoated average transmission of 92% between 300nm and 2000nm.

Additionally the BK7 is a cost effective precision glass, part of the borosilicate family, which therefore ensures you have a window fit for purpose.

- Stock sizes from 5mm to 75mm diameter; between 1.5mm – 8mm thick.
- Custom shapes and sizes available to quotation.
- Edging down to smaller diameters, square and rectangular apertures.

.Typical specs:

Material:	N-BK7 or equivalent
Diameter Tolerance:	+0.0/-0.15 mm
Length/Width Tolerance:	+/- 0.10mm
Thickness Tolerance:	+/-0.10mm
Transmission:	Tavg=92% dependant on substrate thickness

All our BK7 Windows are fully inspected on their quality in our ISO 9001 certified, state-of-the-art Metrology laboratory, using our FIBSA, and Trioptic Prism Master. This allows us to work to the highest [QA standards](#) and meet the tolerance specifications on these **precision components**.

[Contact our technical sales team](#) to discover how Knight Optical's high quality N-BK7 or equivalent window and superior service can improve your instrumentation and supply chain experience.

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- View our [QA and metrology information](#)
- Watch our [Corporate Video](#)
- [View Our Corporate Brochure](#)