

UV plate beamsplitters

Knight Optical offer extensive custom options for UV plate beamsplitters.

UV plate beamsplitters separate an incident beam into reflected and transmitted parts usually at a 50:50 ratio or a 25:75 ratio. Our UV plate beam splitters are typically manufactured from coated UV fused silica substrates to offer improved transmission under 400nm when compared to equivalent visible range products.

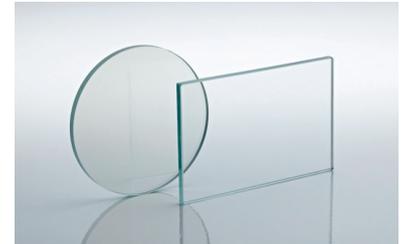


Plate beamsplitters offer large working areas and are simple to manufacture to unique sizes. Special beam splitting ratios can be achieved with custom coatings.

Custom capabilities

| | |
|-----------------------------------|----------------------|
| Diameter (mm) | 5mm to 100mm+ |
| Length/width (mm) | 4mm to 145mm |
| Thickness (mm) | 1mm to 3mm |
| Dimensional tolerance (mm) | +/-0.05 |
| Flatness (fr.) | < 0.2 |
| Scratch/Dig | < 20:10 |
| Rear surface polish | < P3 |
| Coating | Ask for more details |
| Material | UV fused silica |

Notes: N/A

All products are tested in our state of the art metrology laboratory by our highly trained technicians to ensure compliance with the specification. Parts are then sent to our QA team to be cleaned and checked for surface imperfections before dispatch.

Please contact our technical sales team on (+44) 1622 849 444 to discuss your custom UV neutral density filter requirements and discover how Knight Optical can help improve your supply chain experience. Alternatively, email us your requirements by clicking on the links below.