

Elliptical mirrors

Knight Optical offer extensive custom options for elliptical mirrors. We hold a high volume of mirror stock including UV and gold coated sheet material ready to be cut to shape.

Elliptical mirrors are designed to be used at 45° within a tube assembly, to reflect light at 90° using the whole aperture. Mirror coatings are designed to work efficiently at the systems operating wavelength and therefore several options are available for custom parts. Special coatings can be designed for unique applications.



Plate beamsplitters are simple to manufacture to unique sizes and can be supplied on short notice where necessary.

Custom capabilities

Length (mm)	5mm to 100mm+
Thickness (mm)	1mm to 10mm*
Dimensional tolerance (mm)	+/-0.05
Flatness (fr.)	< 0.2
Scratch/Dig	< 10:5
Coating	Ask for more details
Material	Float glass unless specified

Notes: *Dependent on substrate required.

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 elliptical mirror requirements and discover how Knight Optical can help improve your supply chain experience. Alternatively, email us your requirements by clicking on the links below.