

CAPABILITIES

Plane front surface mirrors

Plane front surface mirrors are basic optics used in beam steering and reflecting applications. Their simple design means there is a lot of variation in custom front surface mirror design. Knight Optical offer custom front surface mirrors for UV, visible and IR applications with a range of substrate, surface quality and coating options available. Typical coating options include:



- Enhanced aluminium coating, 94% reflectivity for use in visible applications.
- 99.9% dielectric coating for laser use in visible applications.
- UV aluminium/Mgf² coating for use in UV applications down to 180nm.
- 98.5% NIR dielectric coating for laser use in the near infra-red region.
- Ion plated protected silver coating for use in NIR to 2000nm.
- Protected gold coating for use from 750nm to far infra-red applications.

Custom capabilities

Dimensions:	5mm to 300mm+
Thickness:	1.5mm to 20mm+
Flatness:	< 1/10th wave
Parallelism:	< 3 arcseconds
Coating options:	See above
Mounting options:	Mounted or unmounted
Substrate:	Float glass
Surface quality:	< 10:5

Notes:

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



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