

CAPABILITIES

Plastic lenses

Most of the single lens forms; planoconvex, planoconcave, meniscus and aspheric are available in plastic. Plastic lenses are generally cheaper and lighter than glass equivalents but of lower quality.

Plastic lenses are not as robust as glass as they can scratch easily and some will deteriorate when exposed to UV light. If they are to be used outside the visible, in the UV or near IR regions, then their transmission must be checked. The benefit of plastic lenses is cost.

Unique lens designs will incur an initial tooling charge however the subsequent lenses will be significantly cheaper than their glass counterparts.



Custom capabilities

Diameter:	3mm to 100mm+
Focal length:	3mm to 100mm+
Form:	Planoconvex, Planoconcave, Bi-convex, Bi-concave, Meniscus, Aspheric
Surface figure:	< 60:40
Coating options:	May be AR coated for improved transmission

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 Plastic lens 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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