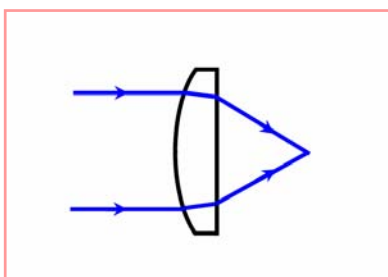


Plano-convex Lenses

Plano-convex lenses are often used to introduce power into an optical system. When used with the curved surface towards a distant object they are close to the best form for minimization of spherical aberration. They are therefore ideal for focusing an infinite source.



These plano-convex spherical lenses are made from either BK7 or Fused Silica.

They are supplied either uncoated or with a single layer anti-reflection coating suitable for the ultra-violet (200-350 nm), the visible (350 - 600 nm) or the near infra-red (600 - 1200 nm).

Typical Specifications	
Material:	BK7A, UVFS
Focal length:	± 2%
Diameter:	+0.0 / -0.2 mm
Centre Thickness:	± 0.25 mm
Centration:	< 3 arcmin
Surface accuracy:	λ/4 @ 633 nm
Surface quality:	40/20
Clear aperture:	> 85% of diameter



A wide range of focal lengths and diameters are available. Here is a list of the most common sizes (in mm):

Diameter	Focal Lengths
6.0	10, 19, 38
10.0	15, 20, 30
12.7	20, 25, 30, 38, 50, 75, 100
20.0	25, 30, 40, 50, 60, 80, 100
25.4	30, 38, 50, 75, 100, 150, 175
30.0	60, 100, 120, 150
38.1	75, 125, 200, 300
40.0	80, 150, 200, 350
50.8	100, 150, 250, 400
60.0	200, 300, 500, 600, 800
76.2	175, 300, 500, 700, 1000
100.0	500, 800, 1000

Please ask for other sizes and focal lengths as we can supply a wide selection of these lenses.

To request a quote or to order, please specify:

Quantity — Material — Diameter — Focal Length — Coating (Uncoated-UV-VIS-NIR)

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For a quotation — please phone, fax or email us with details of your requirements.