

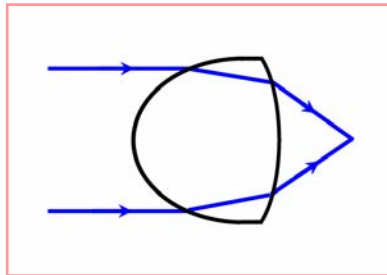
# Aspheric Condenser Lenses



Steep aspheric lens surfaces produce large angles of refraction and hence short focal lengths.

Aspheric lens surfaces can also be free from spherical aberration. For these reasons aspheric lenses produce highly efficient low f/number light condensers. They can be used to collimate or focus a lamp output or to collect radiation from a distant point and condense it onto a detector surface.

These aspheric condensers are moulded from high quality B270 optical glass.



Only one surface is aspheric; the other side is either a plane or slightly convex spherical surface.

They are supplied uncoated but can be coated with single layer anti-reflection coatings if required.

A wide range of focal lengths and diameters are available providing apertures in the range  $f/0.65$

to  $f/1$ . We will advise the nearest standard lens to suit your application. Here is a list of condensers available (in mm):

Diameter	Focal Lengths
12	8.5, 10.5, 19
15	12
17	12
18	12, 15.5
19	17, 24
24	18
25	16, 20
30	18, 19, 21, 23.5, 26.5
32.5	23.5, 25
35	35
38	34.5
40	29.5, 36
45	42
50	35, 38.5, 39, 42.5, 49, 55
52	33, 37
55	38.5
60	39, 43
65	53
68	53
75	50
84	79

Typical Specifications	
Material:	B270
Focal length:	$\pm 7\%$
Diameter:	$\pm 0.4$ mm
Centre Thickness:	$\pm 1$ mm
Surface quality:	80/50
Clear aperture:	$> 85\%$ of diameter

**To request a quote or to order, please specify:**

Quantity — Diameter — Focal Length

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