

An aspheric lens is a single optical element with one aspheric convex surface and one plano or spherical convex surface.

Characterized by f-numbers less than 1.0, aspheres provide maximum energy throughput over a limited path length. An aspheric lens' complex surface profile can reduce or eliminate spherical aberration as well as other aberrations, such as astigmatism.

Coatings: Anti-Reflection coatings that allow efficient energy throughput are available. Because of the steepness of the aspheric surface, however, multilayer coatings may not perform properly. Single layer MgF2 is recommended for most applications.

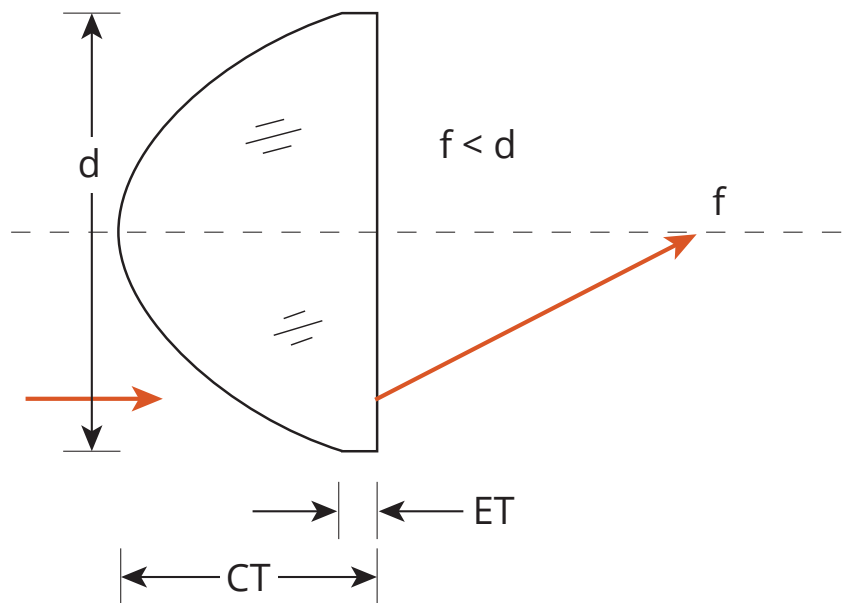
For more information on these lenses or custom applications, please contact us at sales@EscoOptics.com

Would you like to add a coating just let us know. EscoOptics.com/quote

Material: Schott k5 Crown Glass
 $n_d = 1.522, v_d = 59.51$

Focal Length Tolerance +/- 7%
 Diameter Tolerance +/- 0.5 mm
 Center Thickness Tolerance +/- 0.5 mm
 Max Operating Temp. 175° C
 Surface Quality 80-50 scratch-dig

All dimensions in mm unless otherwise specified



NEED HELP WITH A CALCULATION?

Use our online optical calculator

Calc.EscoOptics.com

| P/N | f_{nom} | Diameter | f/# | CT |
|---------|-----------|----------|------|------|
| C118150 | 15.0 | 18.0 | 0.83 | 7.4 |
| C124180 | 18.0 | 24.0 | 0.75 | 10.6 |
| C134240 | 24.0 | 34.0 | 0.63 | 14.0 |
| C150355 | 35.5 | 50.0 | 0.71 | 21.1 |
| C160390 | 39.0 | 60.0 | 0.65 | 27.0 |