Ealing

Aspheric Condenser Lenses (Coated)

KEY FEATURES:

- Minimize spherical aberrations
- AR Coated

Aspheric lenses have at least one surface that is not a true sphere. The aspheric profile used is frequently a conic surface of revolution about the lens axis, matched in design to the shape of the second surface. The shape of this lens produces a dramatic reduction of the spherical aberration, even for very low f-numbers.

The lenses listed here have a molded aspheric surface as well as a second surface (R2) which is ground and polished. These lenses are mainly used in condenser or illumination applications.They are also used where a high light gathering power is needed such as for focusing onto detectors or fibers.

Catalog Number	Coating Wavelength	Diameter Ø (mm)	Effective Focal Length, EFL (mm)	Center Thickness (mm)	Glass	R2	Front Focal Length (mm)	Back Focal Length (mm)
01-103-019	405nm	5.0	4.2	2.2	B270	Plano	4.2	2.89
01-103-020	350-700nm	6.5	7.5	2.75	H-LAK54	-94.7		5.9
01-103-021	650-1050nm	6.5	7.5	2.75	H-LAK54	-94.7		5.9
01-103-022	400-650nm	9.9	7.8	4.0	LIBA2000	Plano	7.8	5.17
01-103-023	600-900nm	9.9	7.8	4.0	LIBA2000	Plano	7.8	5.17
01-103-024	350-650nm	12.0	12.5	4.5	LIBA2000	Plano	12.5	9.54
01-103-025	650-1000nm	12.0	12.5	4.5	LIBA2000	Plano	12.5	9.54
01-103-026	350-650nm	16.0	10.8	8.0	F2	Plano	10.8	5.86
01-103-028	350-650nm	16.0	15.0	6.0	LIBA2000	Plano	15.0	11.06
01-103-029	350-650nm	24.0	18.0	10.4	LIBA2000	Plano	18.0	11.17
01-103-030	400-650nm	24.0	18.0	10.4	LIBA2000	Plano	18.0	11.17
01-103-031	650-1000nm	24.0	18.0	10.4	LIBA2000	Plano	18.0	11.17
01-103-032	350-650nm	40.0	28.5	15.0	LIBA2000	Plano	28.5	18.64

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