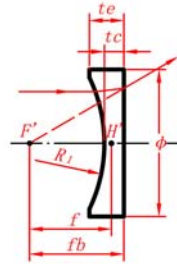


Plano-Concave Lens



Plano-concave lenses diverge a collimated beam from a virtual focus and are commonly used in Galilean-type beam expanders. Plano-Concave lenses have a negative focal length and negative spherical aberration, which can be used to balance out aberrations of other lenses in the system.

Specifications:

MaterialBK7,UVFS

Design Wavelength546.1nm

Design IndexBK7 @1.5183;UVFS @1.46008

Diameter Tolerance+0.0/-0.15mm

Paraxial Focal Length±2%($f < 400\text{mm}$); ±5%($f \geq 400\text{mm}$)

Centration<3 arc minutes

Clear Aperture>90%

Surface Quality60-40

Bevel.....Protective

P/N	f	Φ	t _c	t _e	f _b	Material
30301	-15.0	12.7	2.0	6.2	-16.4	UVFS
30302	-20.0	12.7	2.0	4.5	-21.4	UVFS
30303	-25.0	12.7	2.0	3.9	-26.4	UVFS
30304	-30.0	12.7	2.0	3.5	-31.4	UVFS
30305	-40.0	12.7	2.0	3.1	-41.4	UVFS
30306	-35.0	25.4	2.0	8.2	-36.4	UVFS
30307	-50.0	25.4	2.0	5.8	-51.4	UVFS
30308	-75.0	25.4	2.0	4.4	-76.4	UVFS
30309	-100.0	25.4	2.0	3.8	-101.4	UVFS
30310	-150.0	25.4	2.0	3.2	-151.4	UVFS
30311	-175.0	25.4	2.0	3.0	-176.4	UVFS
30312	-200.0	25.4	2.0	2.9	-201.4	UVFS
30313	-250.0	25.4	2.0	2.7	-251.4	UVFS
30314	-300.0	25.4	2.0	2.6	-301.4	UVFS
30315	-500.0	25.4	2.0	2.4	-501.4	UVFS
30316	-1000.0	25.4	2.0	2.2	-1001.4	UVFS
30317	-50.0	38.0	3.0	13.0	-52.1	UVFS
30318	-100.0	38.0	3.0	7.1	-102.1	UVFS
30319	-150.0	38.0	3.0	5.7	-152.1	UVFS
30320	-200.0	38.0	3.0	5.0	-202.1	UVFS

P/N	f	Φ	t_c	t_e	f_b	Material
30321	-350.0	38.0	3.0	4.1	-352.1	UVFS
30322	-500.0	38.0	3.0	3.8	-502.1	UVFS
30323	-10.00	6.00	2.00	2.90	-11.30	BK7
30324	-20.0	10.0	2.0	3.2	-21.3	BK7
30325	-15.0	12.7	2.0	5.3	-16.3	BK7
30326	-20.0	12.7	2.0	4.1	-21.3	BK7
30327	-25.0	12.7	2.0	3.7	-26.3	BK7
30328	-30.0	12.7	2.0	3.4	-31.3	BK7
30329	-40.0	12.7	2.0	3.0	-41.3	BK7
30330	-50.0	12.7	2.0	2.8	-51.3	BK7
30331	-75.0	12.7	2.0	2.5	-76.3	BK7
30332	-100.0	12.7	2.0	2.3	-101.3	BK7
30333	-75.0	15.0	2.0	2.7	-76.3	BK7
30334	-40.0	21.0	2.0	4.7	-41.3	BK7
30335	-50.0	22.4	2.0	4.4	-51.3	BK7
30336	-100.0	22.4	2.0	3.2	-101.3	BK7
30337	-25.0	25.0	2.0	10.9	-26.3	BK7
30338	-35.0	25.4	2.0	7.2	-36.3	BK7
30339	-38.1	25.4	2.0	6.5	-39.4	BK7
30340	-50.0	25.4	2.0	5.3	-51.3	BK7
30341	-70.0	25.4	2.0	4.3	-71.3	BK7
30342	-75.0	25.4	2.0	4.1	-76.3	BK7
30343	-100.0	25.4	2.0	3.6	-101.3	BK7
30344	-125.0	25.4	2.0	3.3	-126.3	BK7
30345	-150.0	25.4	2.0	3.0	-151.3	BK7
30346	-175.0	25.4	2.0	2.8	-176.3	BK7
30347	-200.0	25.4	2.0	2.7	-201.3	BK7
30348	-250.0	25.4	2.0	2.6	-251.3	BK7
30349	-300.0	25.4	2.0	2.5	-301.3	BK7
30350	-500.0	25.4	2.0	2.3	-501.3	BK7
30351	-1000.0	25.4	2.0	2.2	-1001.3	BK7
30352	-80.0	30.0	2.0	4.8	-81.3	BK7
30353	-100.0	30.0	2.0	4.2	-101.3	BK7
30354	-200.0	30.0	2.0	3.1	201.3	BK7
30355	-50.0	38.0	3.0	11.3	-52.0	BK7
30356	-100.0	38.0	3.0	6.6	-102.0	BK7
30357	-150.0	38.0	3.0	5.5	-152.0	BK7
30358	-200.0	38.0	3.0	4.8	-202.0	BK7
30359	-350.0	38.0	3.0	4.0	-352.0	BK7
30360	-500.0	38.0	3.0	3.7	-502.0	BK7

P/N	f	Φ	t_c	t_e	f_b	Material
30361	-700.0	38.0	3.0	3.5	-702.0	BK7
30362	-50.0	40.0	2.0	11.2	-51.3	BK7
30363	-75.0	50.0	2.0	11.8	-77.0	BK7
30364	-100.0	50.0	3.0	9.4	-102.0	BK7
30365	-150.0	50.0	3.0	7.1	-152.0	BK7
30366	-200.0	50.0	3.0	6.1	-202.0	BK7
30367	-250.0	50.0	3.0	5.4	-252.0	BK7
30368	-400.0	50.0	3.0	4.5	-402.0	BK7
30369	-450.0	50.0	3.0	4.3	-452.0	BK7
30370	-500.0	50.0	3.0	4.2	-502.0	BK7
30371	-600.0	50.0	3.0	4.0	-602.0	BK7
30372	-800.0	50.0	3.0	3.8	-802.0	BK7

- Demension unit:mm
- Other sizes and coatings are available upon request