



KREISCHER Optics, Ltd.

4-Inch Transmission Spheres Optical & Mechanical Data

F/No.	R	D	W.D.	O.D.	L	EFL
F/0.65	39.0	60.0	22	133.4	99.8	61.11
F/0.75	48.0	64.0	29.4	133.4	103	70.47
F/1.0	90.0	90.0	72.2	136.0	95.1	104.45
F/1.5	142.7	96.4	130	133.4	79.3	150.4
F/2.4	264.5	110.2	255	133.4	89.4	243.7
F/3.3	344.7	104.2	336	133.4	64.0	339
F/4.9	540	110.2	533	133.4	68.6	500
F/7.1	800	112.7	794	133.4	68.6	723
F/10.7	1,201	112.2	1,195	133.4	68.6	1088
12.0 diverger	1,201 cx	104	n/a	127.0	28.0	-1185
12.5 converger	1,258	101	1253	127.0	28.0	1286
16.5 converger	1,654	101	1649	127.0	28.0	1684

R = Radius of the reference surface

D = Diameter of the reference surface

W.D. = Working Distance from focal point to cell

O.D. = Outer Diameter of the lens cell

L = Length the cell extends beyond the interferometer

EFL = Effective Focal Length