

BD Plan Objective Specifications

CF Infinity Objectives for Reflected Light Applications

Type	Product Number	Magnification	DIC Prism	Numerical Aperture	Working Distance (mm)	Focal Length (mm)	Resolving Power (μm)	Objective Depth of Field (μm)	Using 10x Eyepiece				
									Total Magnification	Depth of Field (μm)	F.N. 20	F.N. 22	F.N. 25
											Real Viewfield (Ømm)	Real Viewfield (Ømm)	Real Viewfield (Ømm)
BD Plan Apochromat	81861	50		0.9	0.42	4	0.31	0.34	500	0.66	0.40	0.44	0.5
	81838	100	C	0.9	0.4	2	0.31	0.34	1000	0.50	0.20	0.22	0.25
	81839	150	A	0.9	0.29	1.33	0.31	0.34	1500	0.45	0.13	0.15	0.17
	81840	200		0.9	0.3	1	0.31	0.34	2000	0.42	0.10	0.11	0.125
BD Plan Achromat	81805	5		0.13	10	40	2.12	16.27	50	38.25	4.00	4.4	5
	81806	10		0.3	7	20	0.92	3.06	100	7.82	2.00	2.2	2.5
	81807	20		0.46	3.1	10	0.60	1.30	200	2.85	1.00	1.1	1.25
	81808	50		0.8	0.54	4	0.34	0.43	500	0.79	0.40	0.44	0.5
	81809	100		0.9	0.39	2	0.31	0.34	1000	0.50	0.20	0.22	0.25
E BD Plan	81955	5		0.1	12	40	2.75	27.50	50	56.07	4.00	4.4	5
	81956	10		0.25	7	20	1.10	4.40	100	10.11	2.00	2.2	2.5
	81957	20		0.4	3.1	10	0.69	1.72	200	3.50	1.00	1.1	1.25
	81958	50		0.75	0.54	4	0.37	0.49	500	0.87	0.40	0.44	0.5
	81959	100		0.9	0.34	2	0.31	0.34	1000	0.50	0.20	0.22	0.25
ELWD BD	81818	20		0.4	11	10	0.69	1.72	200	3.50	1.00	1.1	1.25
	81819	50		0.55	8.2	4	0.50	0.91	500	1.43	0.40	0.44	0.5
	81820	100		0.8	2	2	0.34	0.43	1000	0.61	0.20	0.22	0.25
BD/DIC Plan Achromat	81849	5	C	0.15	12	40	1.83	12.22	50	31.27	4.00	4.4	5
	81811	10	A	0.3	7	20	0.92	3.06	100	7.82	2.00	2.2	2.5
	81812	20	A	0.46	3.1	10	0.60	1.30	200	2.85	1.00	1.1	1.25
	81813	50	A	0.8	0.54	4	0.34	0.43	500	0.79	0.40	0.44	0.5
	81814	100	A	0.9	0.39	2	0.31	0.34	1000	0.50	0.20	0.22	0.25
ELWD BD/DIC	81821	20	E	0.4	11	10	0.69	1.72	200	3.50	1.00	1.1	1.25
	81822	50	C	0.55	8.2	4	0.50	0.91	500	1.43	0.40	0.44	0.5
	81823	100	C	0.8	2	2	0.34	0.43	1000	0.61	0.20	0.22	0.25
TI Interferometry	81862	2.5		0.075	10.3	80	3.67	48.89	25	125.08	8.00	8.8	
	81863	5		0.13	9.3	40	2.12	16.27	50	38.25	4.00	4.4	
DI Interferometry	81841	10		0.3	7.4	20	0.92	3.06	100	7.82	2.00	2.2	
	81842	20		0.4	4.7	10	0.69	1.72	200	3.50	1.00	1.1	
	81843	50		0.55	3.4	4	0.50	0.91	500	1.43	0.40	0.44	
* Discontinued											DIC Prisms	Standard	High Contrast
											A	81781	81785
											C	81783	81787
											E	81782	81786