CFI Achromat series

This series of objectives provide dramatic correction for chromatic aberration, spherical aberration and coma. Image flatness is significantly improved.
Nikon specifically developed ADL series for phase contrast observations by using its proprietary apodization process to improve the objective's phase ring. Imaging cell division is often impeded by unwanted halos due to the sample thickness. ADL mitigates this effect for clearer observation of mitotic events.

CFI 4X, 10X, CFI LWD 20X, CFI 40X and 100X Oil

CFI DL 10X, CFI LWD DL 20X, CFI DL 40X and 100X Oil

CFI ADL 10XF, CFI LWD ADL 20XF, 40XF and 40XC

Use	Model	NA	W.D. (mm)	Cover glass thickness	Spring loaded	Brightfield	Darkfield	DIC	Phase contrast	Polarizing	Fluorescence		Ti2-E PFS
											UV	Visible light	
Brightfield (CFI)	4X	0.10	30.00	–		◎				●		○	
	10X	0.25	7.00	–		◎	△			●		○	
	LWD 20X	0.40	3.90	0.17		◎	○●			●		○	
	40X	0.65	0.65	0.17	✓	◎	○●			●		○	
	LWD 40XC	0.55	2.70-1.70	0-2.00		◎	○●			●		○	
	60X	0.80	0.30	0.17	✓	◎	●			●		○	
	100X Oil	1.25	0.23	0.17	✓	◎				●		○	
	100XS Oil	0.50-1.25	0.23	0.17	✓	◎	○●			●		○	
Phase contrast (CFI)	DL 10X	0.25	7.00	–		○	△		◎ PH1	●		●	
	LWD DL 20X	0.40	3.90	0.17		○	○●		◎ PH1	●		●	
	LWD DL 20XF	0.40	3.10	1.20		○			◎ PH1	●		●	
	DL 40X	0.65	0.65	0.17	✓	○	○●		◎ PH2	●		●	
	LWD DL 40XC	0.55	2.70-1.70	0-2.00		○	○●		◎ PH2	●		●	
	DL 100X Oil	1.25	0.23	0.17	✓	○			◎ PH3	●		●	
	BM 10X	0.25	7.00	0.70		○			○ PH1	●		●	
Apodized phase contrast (CFI)	ADL 10XF	0.25	6.20	1.20		○			◎ PH1	●		●	
	LWD ADL 20XF	0.40	3.10	1.20		○			◎ PH1	●		●	
	LWD ADL 40XF	0.55	2.10	1.20		○			◎ PH1	●		●	
	LWD ADL 40XC	0.55	2.70-1.70	0-2.00		○	○●		◎ PH2	●		●	