

## CFI 60 OBJECTIVES FOR NIKON ECLIPSE SERIES MICROSCOPES

Product#	Description	OBJECTIVES	Numerical Aperture	Working Distance	DIC COMPONENTS		
					Prism Product #	Nosepiece DIC slider	Condenser Prism
<b><u>CFI PLAN APO</u></b>							
93101	CFI PLAN APO 2X		0.10	8.50	n/a		
93102	CFI PLAN APO 4X		0.20	15.70	93619	SLIDER/PF20 +	NM+
93103	CFI PLAN APO 10X		0.45	4.00	93617	SLIDER/PF10X-G	NL-G
93104	CFI-PLAN APO 20X Spring load		0.75	1.00	93630	SLIDER/PA20	NM
93105	CFI-PLAN APO 40X w/correction collar Spring load		0.95	.12-.16	93631	SLIDER/PA 40X	NM
93106	CFI PLAN APO 40X OIL Spring load, Lock-up		1.00	0.16	93619	SLIDER/PF 20X*	NH*
93107	CFI PLAN APO 60X w/ correction collar		0.95	.13-.17	93620 93624	SLIDER/PF 40X SLIDER/PF/PA 100X OIL	NM NM
93109	CFI PLAN APO 60X WI WATER		1.20	0.22	93633	SLIDER/PA 60X WI	NH
93113	CFI PLAN APO 60X A OIL Spring load, Lock-up		1.40	0.21	93634	SLIDER/PA 60X A OIL	NH
93114	CFI PLAN APO 60X A OIL IR Spring load, Lock-up		1.40	0.21	93634U	SLIDER/IR 60X A OIL	NH
93110	CFI PLAN APO 100X OIL Spring load, Lock-up		1.40	0.13	93624	SLIDER/PF/PA 100X OIL	NH
93111	CFI PLAN APO NCG 100X OIL Spring load, Lock-up		1.40	0.17	93624	SLIDER/PF/PA 100X OIL	NH
93112	CFI PLAN APO 100X OIL IR (infra-red) Spring load, Lock-up		1.40	0.13	93624U	SLIDER/ IR 100X OIL	NH
<b><u>SHORT SHEER COMPONENTS-**</u></b>							
**(E800/600 requires 93609 oil top condenser & 93614 DIC condenser module NH oil SS) (TE300/200 requires 90209 oil condenser top & 90765 SS module NH)							
93113	CFI PLAN APO 60X A OIL Spring load, Lock-up		1.40	0.21	93641	SLIDER/PA 60X A OIL SS	NH SS**
93110	CFI PLAN APO 100X OIL Spring load, Lock-up		1.40	0.13	93640	SLIDER/PA100 OIL SS	NH SS**
<b><u>CFI PLAN APO PHASE DM</u></b>							
93120	CFI PLAN APO DM 20X Ph2		0.75	1.00	93630	SLIDER/PA20	NM
93121	CFI PLAN APO DM 40X-correction collar Ph2		0.95	.12-.16	93631	SLIDER/PA 40X	NM
93122	CFI PLAN APO DM 60X-correction collar Ph2		0.95	.13-.17	n/a		
93123	CFI PLAN APO DM 40X OIL Ph3 Spring load, Lock-up		1.00	0.16	93619	SLIDER/PF 20X *	NH*
93140	CFI PLAN APO DM 60X A OIL Ph3 Spring load, Lock-up		1.40	0.21	93634	SLIDER/PA 60X A OIL	NH
93125	CFI PLAN APO DM 100X OIL Ph3, Spring load, Lock-up		1.40	0.13	93624	SLIDER/PFPA 100X OIL	NH

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<b><u>CFI PLAN FLUOR</u></b>							
93133	CFI PLAN FLUOR 4X		0.13	17.10	n/a		
93134	CFI PLAN FLUOR 10X		0.30	16.00	93617	SLIDER/PF10X-G	NL-G
93135	CFI PLAN FLUOR 20X	Spring load	0.50	2.10	93619	SLIDER/PF20X	NM
93146	CFI PLAN FLUOR 20X MI multi immersion	Spring load	0.75	0.35	93619	SLIDER/PF20X	NM
93136	CFI PLAN FLUOR 40X	Spring load	0.75	0.72	93620	SLIDER/PF40X	NM
93137	CFI PLAN FLUOR 40X OIL	Spring load	1.30	0.20	93621	SLIDER/PF40X OIL	NH
93139	CFI PLAN FLUOR 60X w/correction collar	Spring load	0.85	.44-.48	90772	SLIDER/ELWD60X	NM
93141	CFI PLAN FLUOR 60X A w/correction collar 0.11-0.23	Spring load	0.85	.44-.48	n/a		
93143	CFI PLAN FLUOR 100X Dry w/correction collar .14-.2	Spring load	0.95	0.30			
93144	CFI PLAN FLUOR 100X OIL	Spring load, Lock-up	1.30	0.20	93624	SLIDER/PF/PA 100X OIL	NH
93145	CFI-PLAN FLUOR 100X OIL-IRIS	Spring load	.5-1.3	0.20	93624	SLIDER/PF/PA 100X OIL	NH
<b><u>CFI PLAN FLUOR PHASE DLL &amp; DL</u></b>							
93171	CFI PLAN FLUOR DLL 10X	Ph1	0.30	16.00	93617	SLIDER/PF10X-G	NL-G
93178	CFI PLAN FLUOR DL 10X	Ph1 (higher contrast)	0.30	16.00	93617	SLIDER/PF10X-G	NL-G
93172	CFI PLAN FLUOR DLL 20X	Ph1 Spring load	0.50	2.10	93619	SLIDER/PF20X	NM
93173	CFI PLAN FLUOR DLL 40X	Ph2 Spring load	0.75	0.72	93620	SLIDER/PF40X	NM
93176	CFI PLAN FLUOR DLL 100X OIL	Ph3 Spring load	1.30	0.20	93624	SLIDER/PF/PA 100X OIL	NH
Note: short working distance objectives are spring loaded - Oil Apochromats Lock-up (push-in and turn the front) - prevents oil on objective from smearing on clean slides while rotating objectives							
Note: 77003 DF immersion oil recommended for use with Plan Fluor oil objectives							
<b><u>CFI PLAN ACHROMAT</u></b>							
92065	CFI MACRO PLAN UW 0.5X	with Macro Slider	0.02	7.00	n/a		
93180	CFI PLAN ACHROMAT UW 1X		0.04	3.20	n/a		
93181	CFI PLAN ACHROMAT UW 2X		0.06	7.50	n/a		
93182	CFI PLAN ACHROMAT 4X		0.10	30.00	n/a		
93183	CFI PLAN ACHROMAT 10X		0.25	10.50	n/a		
93184	CFI PLAN ACHROMAT 20X		0.40	1.30	n/a		

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<b><u>CFI PLAN ACHROMAT (continued from page 2)</u></b>						
93185	CFI PLAN ACHROMAT 40X	Spring load	0.65	0.57	n/a	
93188	CFI PLAN ACHROMAT NCG 40X	Spring load	0.65	0.48	n/a	
93187	CFI PLAN ACHROMAT 50X OIL	Spring load, Lock-up	0.90	0.40	n/a	
93186	CFI PLAN ACHROMAT 100X OIL	Spring load	1.25	0.17	n/a	
93189	CFI PLAN ACHROMAT NCG 100X	Dry Spring load	0.90	0.26	93620	SLIDER/PF40X NH
<b><u>CFI PLAN ACHROMAT PHASE DL</u></b>						
93191	CFI PLAN ACHROMAT DL 10X	Ph1	0.25	10.50	n/a	
93192	CFI PLAN ACHROMAT DL 20X	Ph1	0.40	1.30	n/a	
93193	CFI PLAN ACHROMAT DL 40X	Ph2 Spring load	0.65	0.57	n/a	
93194	CFI PLAN ACHROMAT DL 100X OIL	Ph3 Spring load	1.25	0.17	n/a	
<b><u>CFI ACHROMAT FLATFIELD</u></b>						
93160	CFI ACHROMAT FLATFIELD 4X		0.10	30.00	n/a	
93161	CFI ACHROMAT FLATFIELD 10X		0.25	6.10	n/a	
93162	CFI ACHROMAT FLATFIELD 20X		0.40	3.80	n/a	
93163	CFI ACHROMAT FLATFIELD 40X	Spring load	0.65	0.65	n/a	
93159	CFI ACHROMAT FLATFIELD 60X	Spring load	0.80	0.25	n/a	
93164	CFI ACHROMAT FLATFIELD 100X OIL	Spring load	1.25	0.18	n/a	
93158	CFI ACHROMAT FLATFIELD 100X OIL IRIS	Spring load	1.25-.5	0.18	n/a	
<b><u>CFI ACHROMAT FLATFIELD PHASE DL</u></b>						
93166	CFI ACHROMAT FLATFIELD DL 10X	Ph1	0.25	6.10	n/a	
93167	CFI ACHROMAT FLATFIELD DL 20X	Ph1	0.40	3.80	n/a	
93168	CFI ACHROMAT FLATFIELD DL 40X	Ph2 Spring load	0.65	0.65	n/a	
93169	CFI ACHROMAT FLATFIELD DL 100X oil	Ph3 Spring load	1.25	0.18	n/a	
<b><u>CFI E PLAN ACHROMAT (for E200 field # 20 eyepieces only)</u></b>						
92860	CFI E PLAN ACHROMAT 4X		0.10	30.00	n/a	New - for E200 microscope
92861	CFI E PLAN ACHROMAT 10X		0.25	7.00	n/a	New - for E200 microscope
92862	CFI E PLAN ACHROMAT 40X	Spring load	0.65	0.65	n/a	New - for E200 microscope
92863	CFI E PLAN ACHROMAT 100X OIL	Spring load	1.25	0.23	n/a	New - for E200 microscope

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### SPECIALTY OBJECTIVES FOR FLUORESCENCE AND PHYSIOLOGY

<b><u>CFI SUPER FLUOR</u></b>						
93126	CFI SUPER FLUOR 10X		0.50	1.20		
93127	CFI SUPER FLUOR 20X		0.75	1.0	93619	SLIDER/PF20X*
93128	CFI SUPER FLUOR 40X .11-.23 correction collar, Spring load		0.90	0.30	93620	SLIDER/PF40X*
93130	CFI SUPER FLUOR 40X OIL Spring load		1.30	0.22	93621	SLIDER/PF40X OIL *
93129	CFI SUPER FLUOR 100X OIL IRIS Spring load		1.3-.7	0.20		NH
<b><u>CFI SUPER FLUOR PHASE</u></b>						
93131	CFI SUPER FLUOR DL 40X Ph2 correction collar, Spring load		0.90	0.30	93620	SLIDER/PF40X*
93132	CFI SUPER FLUOR DLL 40X Ph2 correction collar, Spring load		0.90	0.30	93620	SLIDER/PF40X*
<b><u>W FLUOR - WATER IMMERSION (PHYSIOLOGY)</u></b>						
93147	CFI W FLUOR 10X water immersion		0.30	2.00	93617	SLIDER/PF10X-G
93148	CFI W FLUOR 40X water immersion		0.80	2.00	92521	SLIDER/W FLUOR 40X
93149	CFI W FLUOR 60X water immersion		1.00	2.00	92522	SLIDER/W FLUOR 60X
<b><u>W FLUOR - WATER IMMERSION PHASE (PHYSIOLOGY)</u></b>						
93153	CFI W FLUOR DLL 40x NA 0.8 Ph2 WD 2mm water immersion		0.80	2.00	92521	SLIDER/W FLUOR 40X

### OBJECTIVES FOR LONG WORKING DISTANCE AND INVERTED MICROSCOPES

<b><u>ACHROMAT &amp; LWD ACHROMAT PHASE CONTRAST</u></b>						
93166	CFI ACHROMAT DL 10X Ph1		0.25	6.10	n/a	
93210	CFI ACHROMAT LWD DL 20X F Ph1 fixed coverglass correction 1.2		0.40	3.00	n/a	
93211	CFI ACHROMAT LWD DL 40X C Ph2 correction collar 0-2mm		0.55	2.7-1.7	n/a	
<b><u>LWD ACHROMAT BRIGHTFIELD</u></b>						
93165	CFI ACHROMAT LWD DL 40X C correction collar 0-2mm		0.55	2.7-1.7	n/a	
<b><u>NEW ACHROMAT &amp; LWD ACHROMAT ADL PHASE - EXTENDED CONTRAST/ANTI-HALO</u></b>						
92940	CFI ACHROMAT ADL 10X Ph1		0.25	6.10	n/a	
92941	CFI ACHROMAT LWD ADL 20X F Ph1 fixed coverglass correction 1.2		0.40	3.00	n/a	
92942	CFI ACHROMAT LWD ADL 40X F Ph1 fixed coverglass correction 1.2		0.55	2.10	n/a	
92943	CFI ACHROMAT LWD ADL 40X C Ph2 correction collar 0-2mm		0.55	2.7-1.8	n/a	

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### OBJECTIVES FOR LONG WORKING DISTANCE AND INVERTED MICROSCOPES (continued)

<b><u>PLAN FLUOR ELWD - FOR DIC &amp; BRIGHTFIELD</u></b>						
93134	CFI PLAN FLUOR 10X		0.30	16.00	93617	SLIDER/PF10X-G NL-G
93150	CFI PLAN FLUOR ELWD 20X C correction collar 0-2mm		0.45	7.40	90769	SLIDER/PF ELWD 20X-G NL-G
93151	CFI PLAN FLUOR ELWD 40X C correction collar 0-2mm		0.60	2.7-3.7	90771	SLIDER/PF ELWD 40X NM
93152	CFI PLAN FLUOR ELWD 60X C correction collar .5-1.5mm		0.70	1.1-2.1	90772	SLIDER/PF ELWD 60X NM
<b><u>PLAN FLUOR ELWD - PHASE CONTRAST</u></b>						
93170	CFI PLAN FLUOR DL 4X PhL		0.13	17.10	n/a	
93178	CFI PLAN FLUOR DL 10X Ph1		0.30	16.00	93617	SLIDER/PF10X-G NL-G
93200	CFI PLAN FLUOR ELWD DM 20X C Ph1 correction collar 0-2mm		0.45	7.40	90769	SLIDER/PF ELWD 20X-G NL-G
93201	CFI PLAN FLUOR ELWD DM 40X C Ph2 correction collar 0-2mm		0.60	2.7-3.7	90771	SLIDER/PF ELWD 40X NM
93202	CFI PLAN FLUOR ELWD DLL 60X C Ph2 correction collar .5-1.5mm		0.70	1.1-2.1	90772	SLIDER/PF ELWD 60X NM

### OBJECTIVES FOR POLARIZED LIGHT

<b><u>CFI ACHROMAT - POLARIZED TRANSMITTED LIGHT</u></b>						
92760	CFI P ACHROMAT 4X		0.10	30.00	n/a	
92761	CFI P ACHROMAT 10X		0.25	6.10	n/a	
92762	CFI P ACHROMAT 20X		0.40	3.00	n/a	
92763	CFI P ACHROMAT 40X Spring load		0.65	0.65	n/a	
92764	CFI P ACHROMAT 100X OIL Spring load		1.25	0.17	n/a	

### OBJECTIVES FOR REFLECTED POLARIZED LIGHT

<b><u>STRAIN FREE CFI LU PLAN EPI P</u></b>						
92775	CFI LU PLAN EPI P 5x		0.15	23.50		
92776	CFI LU PLAN EPI P 10x		0.30	17.30		
92777	CFI LU PLAN EPI P 20x		0.45	4.50		
92778	CFI LU PLAN EPI P 50x		0.80	1.00		
92779	CFI LU PLAN EPI P 100x		0.90	1.00		