

Color Line Scan Lens

ML-F80C-0205/0510

NEW



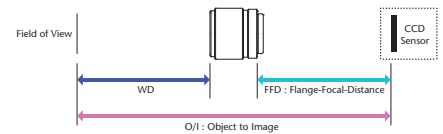
Designed to address the challenges of color line scan applications, this new low-magnification line scan lens features RGB chromatic aberration correction to provide excellent performance for line sensors up to 82mm. By utilizing flange focal distance magnification control, magnifications of 0.2× – 0.5× are achievable over varying working distances without the added cost of a complex zoom system.

- Magnification adjustable 0.2 to 0.5× / 0.5 to 1.0× with flange focal distance adjustment
- Designed with RGB chromatic correction
- Maximum applicable sensor size: 82mm
- Variable iris

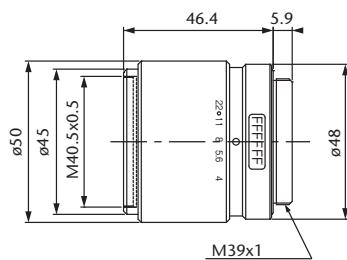


Magnification Range

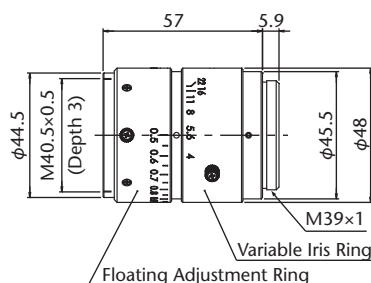
Magnification control between 0.2× and 0.5× / 0.5× and 1.0× can be done by adjusting the flange focal distance.



ML-F80C-0205



ML-F80C-0510



Specifications at Different Magnifications

Model	Magnification	O/I (mm)	WD (mm)	Field of View* (mm)	FFD (mm)
ML-F80C-0205	×0.2	601.7	476.8	410	78.6
	×0.25	521.4	392.3	328	82.8
	×0.3	469.3	335.9	273.3	87
	×0.35	433.2	295.6	234.3	91.2
	×0.4	407.3	265.4	205	95.5
	×0.45	388	242	182.2	99.7
ML-F80C-0510	×0.5	373.5	223.2	164	103.9
	×0.5	370.1	220.1	164	93
	×0.55	358.7	204.4	149.1	97.3
	×0.6	349.9	191.4	136.7	101.6
	×0.65	343.1	180.3	126.2	105.8
	×0.7	337.9	170.8	117.1	110.1
	×0.75	333.8	162.5	109.3	114.3
	×0.8	330.8	155.2	102.5	118.5
	×0.85	328.6	148.8	96.5	122.7
	×0.9	327	143.1	91.1	126.9
	×0.95	326	137.9	86.3	131.1
	×1.0	325.6	133.3	82	135.3

*Field of View: When using 82 mm sensors

Model	Magnification	O/I	WD	FNo	TV Distortion	Image Format	Mount	Weight
ML-F80C-0205	×0.2 ~ ×0.5	601.7mm ~ 373.5mm	476.8mm ~ 223.2mm	4 ~ 22	0.07% or less	82mm	M39×1	200g
ML-F80C-0510	×0.5 ~ ×1.0	370.1mm ~ 325.6mm	220.1mm ~ 133.3mm	4 ~ 22	-0.05% or less	82mm	M39×1	200g

* Mount adaptor is available on request. (i.e. BTO)