



# *EF Lens Specifications*

# EF Lens Specifications

Lens	Angle of View (horizontal-vertical-diagonal)	Construction (groups-elements)	No. of Diaphragm Blades	Minimum Aperture	Closest Focusing Distance (m/ft)
EF 15mm f/2.8 Fisheye	—, —, 180°	7-8	5	22	0.2/0.7
EF 14mm f/2.8L USM	104°-81°-114°	10-14	5	22	0.25/0.8
EF 20mm f/2.8 USM	84°-62°-94°	9-11	5	22	0.25/0.8
EF 24mm f/1.4L USM	74°-53°-84°	9-11	7	22	0.25/0.8
EF 24mm f/2.8	74°-53°-84°	10-10	6	22	0.25/0.8
EF 28mm f/1.8 USM	65°-46°-75°	9-10	7	22	0.25/0.8
EF 28mm f/2.8	65°-46°-75°	5-5	5	22	0.3/1.0
EF 35mm f/1.4L USM	54°-38°-63°	9-11	8	22	0.3/1.0
EF 35mm f/2	54°-38°-63°	5-7	5	22	0.25/0.8
EF 50mm f/1.2L	40°-27°-46°	6-8	8	16	0.45/1.5
EF 50mm f/1.4 USM	40°-27°-46°	6-7	8	22	0.45/1.5
EF 50mm f/1.8 II	40°-27°-46°	5-6	5	22	0.45/1.5
EF 85mm f/1.2L II USM	24°-16°-28°30'	7-8	8	16	0.95/3.1
EF 85mm f/1.8 USM	24°-16°-28°30'	7-9	8	22	0.85/2.8
EF 100mm f/2 USM	20°-14°-24°	6-8	8	22	0.9/3.0
EF 135mm f/2L USM	15°-10°-18°	8-10	8	32	0.9/3.0
EF 135mm f/2.8 (with Softfocus)	15°-10°-18°	6-7	6	32	1.3/4.3
EF 200mm f/2.8L II USM	10°-7°-12°	7-9	8	32	1.5/4.9
EF 300mm f/2.8L IS USM	6°50'-4°35'-8°15'	13-17	8	32	2.5/8.2
EF 300mm f/4L IS USM	6°50'-4°35'-8°15'	11-15	8	32	1.5/4.9
EF 400mm f/2.8L IS USM	5°10'-3°30'-6°10'	13-17	8	32	3/9.8
EF 400mm f/4 DO IS USM	5°10'-3°30'-6°10'	13-17	8	32	3.5/11.5
EF 400mm f/5.6L USM	5°10'-3°30'-6°10'	6-7	8	32	3.5/11.5
EF 500mm f/4L IS USM	4°-2°45'-5°	13-17	8	32	4.5/14.8
EF 600mm f/4L IS USM	3°30'-2°20'-4°10'	13-17	8	32	5.5/18.0
EF 50mm f/2.5 Compact Macro	40°-27°-46°	8-9	6	32	0.23/0.8
Life-size Converter EF (exclusive for EF 50mm f/2.5 Compact Macro)	—, —, —	3-4	—	—	0.24/0.8
EF 100mm f/2.8 Macro USM	20°-14°-24°	8-12	8	32	0.31/1.0
EF 180mm f/3.5L Macro USM	11°25'-7°40'-13°40'	12-14	8	32	0.48/1.6
MP-E 65mm f/2.8 1-5 x Macro Photo	15°40'-10°35'-18°40'	8-10	6	16	0.24/0.8
TS-E 24mm f/3.5L	74°-53°-84°(without tilt or shift)*1	9-11	8	22	0.3/1.0
TS-E 45mm f/2.8	44°-30°-51°(without tilt or shift)*1	9-10	8	22	0.4/1.3
TS-E 90mm f/2.8	22°37'-15°11'-27°(without tilt or shift)*1	5-6	8	32	0.5/1.6
Extender EF 1.4 x II	—, —, —	4-5	—	—	—
Extender EF 2 x II	—, —, —	5-7	—	—	—
EF 16-35mm f/2.8L USM	98°-54°-74°10'-38°-108°10'-63°	10-14	7	22	0.28/0.9
EF 17-40mm f/4L USM	93°-49°20'-70°30'-34°-104°-57°30'	9-12	7	22	0.28/0.9
EF 20-35mm f/3.5-4.5 USM	84°-54°-62°-38°-94°-63°	11-12	5	22-27	0.34/1.1
EF 24-70mm f/2.8L USM	74°-29°-53°-19°30'-84°-34°	13-16	8	22	0.38(Macro)/1.3(Macro)
EF 24-85mm f/3.5-4.5 USM	74°-24°-53°-16°-84°-28°30'	12-15	6	22-32	0.5/1.6
EF 24-105mm f/4L IS USM	74°-19°20'-53°-13°-84°-23°20'	13-18	8	22	0.45/1.48
EF 28-90mm f/4-5.6 II USM	65°-22°40'-46°-15°10'-75°-27°	8-10	5	22-32	0.38/1.3
EF 28-90mm f/4-5.6 III	65°-22°40'-46°-15°10'-75°-27°	8-10	5	22-32	0.38/1.3
EF 28-105mm f/3.5-4.5 II USM	65°-19°20'-46°-13°-75°-23°20'	12-15	7	22-27(29)*2	0.5(Macro)/1.6(Macro)
EF 28-105mm f/4-5.6 USM	65°-19°20'-46°-13°-75°-23°20'	9-10	6	22-32	0.48/1.6
EF 28-105mm f/4-5.6	65°-19°20'-46°-13°-75°-23°20'	9-10	6	22-32	0.48/1.6
EF 28-135mm f/3.5-5.6 IS USM	65°-15°-46°-10°-75°-18°	12-16	6	22-36	0.5(Macro)/1.6(Macro)
EF 28-200mm f/3.5-5.6 USM	65°-10°-46°-7°-75°-12°	12-16	6	22-36	0.45/1.5
EF 28-200mm f/3.5-5.6	65°-10°-46°-7°-75°-12°	12-16	6	22-36	0.45/1.5
EF 28-300mm f/3.5-5.6L IS USM	65°-6°50'-46°-4°35'-75°-8°15'	16-23	8	22-38(40)*2	0.7/2.3
EF 55-200mm f/4.5-5.6 II USM	36°-10°-25°-7°-43°-12°	13-13	6	22-27(29)*2	1.2/3.9
EF 70-200mm f/2.8L IS USM	29°-10°-19°30'-7°-34°-12°	18-23	8	32	1.4/4.6
EF 70-200mm f/2.8L USM	29°-10°-19°30'-7°-34°-12°	15-18	8	32	1.5/5.0
EF 70-200mm f/4L USM	29°-10°-19°30'-7°-34°-12°	13-16	8	32	1.2/3.9
EF 70-200mm f/4L IS USM	29°-10°-19°30'-7°-34°-12°	15-20	8	32	1.2/3.9
EF 70-300mm f/4-5.6 IS USM	29°-6°50'-19°30'-4°35'-34°-8°15'	10-15	8	32-45	1.5/4.9
EF 70-300mm f/4.5-5.6 DO IS USM	29°-6°50'-19°30'-4°35'-34°-8°15'	12-18	6	32-38(40)*2	1.5/4.9
EF 75-300mm f/4-5.6 III USM	27°-6°50'-18°11'-4°35'-32°11'-8°15'	9-13	7	22-45	1.5/4.9
EF 75-300mm f/4-5.6 III	27°-6°50'-18°11'-4°35'-32°11'-8°15'	9-13	7	32-45	1.5/4.9
EF 80-200mm f/4.5-5.6 II	25°-10°-17°-7°-30°-12°	7-10	5	22-27	1.5/4.9
EF 90-300mm f/4.5-5.6 USM	22°40'-6°50'-15°10'-4°35'-27°-8°15'	9-13	7	38(36)*2-45	1.5/4.9
EF 90-300mm f/4.5-5.6	22°40'-6°50'-15°10'-4°35'-27°-8°15'	9-13	7	38(36)*2-45	1.5/4.9
EF 100-300mm f/4.5-5.6 USM	20°-6°50'-14°-4°35'-24°-8°15'	10-13	8	32-38(40)*2	1.5(Macro)/4.9(Macro)
EF 100-400mm f/4.5-5.6L IS USM	20°-5°10'-14°-3°30'-24°-6°10'	14-17	8	32-38(40)*2	1.8/5.9
EF-S 60mm f/2.8 Macro USM	20°40'-14°10'-24°30'	8-12	7	32	0.2
EF-S 10-22mm f/3.5-4.5 USM*5	97°10'-54°30'-74°10'-37°50'-107°30'-63°30'	10-13	6	22-27(29)*2	0.24/0.8
EF-S 17-55mm f/2.8 IS USM	68°40'-23°20'-48°-15°40'-78°30'-27°50'	12-19	7	22	0.35/1.2
EF-S 17-85mm f/4-5.6 IS USM*5	68°40'-15°25'-48°-10°25'-78°30'-18°25'	12-17	6	22-32	0.35/1.2
EF-S 18-55mm f/3.5-5.6 II USM*5	64°30'-23°20'-45°30'-15°40'-74°20'-27°50'	9-11	6	22-36	0.28/0.9
EF-S 18-55mm f/3.5-5.6 II *5	64°30'-23°20'-45°30'-15°40'-74°20'-27°50'	9-11	6	22-36	0.28/0.9

\*1 Image circle ø58.6mm \*2 The aperture is for bodies using 1/2-step displays. In the case of 1/3-step displays, the aperture values of some lenses are shown in parentheses. \*3 Equipped with a full-time manual mechanism. \*4 Micro motor  
\*5 Can be used only with EOS digital SLR cameras designed to take EF-S lenses.

Lens	Maximum Magnification (X)	Drive System	Distance Scale	Water/dust-resistance	Filter Size (mm)	Max. Diameter X Length (mm/in)	Weight(g/oz)
EF 15mm f/2.8 Fisheye	0.14	AFD	—	—	Gelatin	73x62.2/2.9"x2.5"	330/11.6
EF 14mm f/2.8 USM	0.1	Ring-type USM <sup>*3</sup>	O	—	Gelatin	77x89/3"x3.5"	560/1.2 lbs.
EF 20mm f/2.8 USM	0.14	Ring-type USM <sup>*3</sup>	O	—	72	77.5x70.6/3.1"x2.8"	405/14.3
EF 24mm f/1.4L USM	0.16	Ring-type USM <sup>*3</sup>	O	—	77	83.5x77.4/3.3"x3.1"	550/1.2 lbs.
EF 24mm f/2.8	0.16	AFD	—	—	58	67.5x48.5/2.7"x1.9"	270/9.5
EF 28mm f/1.8 USM	0.18	Ring-type USM <sup>*3</sup>	O	—	58	73.6x55.6/2.9"x2.2"	310/10.9
EF 28mm f/2.8	0.13	AFD	—	—	52	67.4x42.5/2.7"x1.7"	185/6.5
EF 35mm f/1.4L USM	0.18	Ring-type USM <sup>*3</sup>	O	—	72	79x86/3.1"x3.4"	580/1.3 lbs.
EF 35mm f/2	0.23	AFD	—	—	52	67.4x42.5/2.7"x1.7"	210/7.4
EF 50mm f/1.2L	0.11	Ring-type USM <sup>*3</sup>	O	O	72	85.4x65.5/3.4"x2.6"	545/1.2 lbs.
EF 50mm f/1.4 USM	0.15	Micro USM <sup>*3</sup>	—	—	58	73.8x50.5/2.9"x2"	290/10.2
EF 50mm f/1.8 II	0.15	MM <sup>*4</sup>	—	—	52	68.2x41/2.7"x1.6"	130/4.6
EF 85mm f/1.2L II USM	0.11	Ring-type USM <sup>*3</sup>	—	—	72	91.5x84/3.6"x3.3"	1,025/2.3 lbs.
EF 85mm f/1.8 USM	0.13	Ring-type USM <sup>*3</sup>	O	—	58	75x71.5/3"x2.8"	425/15
EF 100mm f/2 USM	0.14	Ring-type USM <sup>*3</sup>	O	—	58	75x73.5/3"x2.9"	460/1 lb.
EF 135mm f/2L USM	0.19	Ring-type USM <sup>*3</sup>	O	—	72	82.5x112/3.2"x4.4"	750/1.7 lbs.
EF 135mm f/2.8 (with Sofffocus)	0.12	AFD	—	—	52	69.2x98.4/2.7"x3.9"	390/13.8
EF 200mm f/2.8L II USM	0.16	Ring-type USM <sup>*3</sup>	O	—	72	83.2x136.2/3.3"x5.4"	765/1.7 lbs.
EF 300mm f/2.8L IS USM	0.13	Ring-type USM <sup>*3</sup>	O	O	52 drop-in	128x252/5"x9.9"	2,550/5.6 lbs.
EF 300mm f/4L IS USM	0.24	Ring-type USM <sup>*3</sup>	O	—	77	90x221/3.5"x8.7"	1,190/2.6 lbs.
EF 400mm f/2.8L IS USM	0.15	Ring-type USM <sup>*3</sup>	O	O	52 drop-in	163x349/6.4"x13.7"	5,370/11.8 lbs.
EF 400mm f/4 DO IS USM	0.12	Ring-type USM <sup>*3</sup>	O	O	52 drop-in	128x232.7/5"x9.4"	1,940/4.3 lbs.
EF 400mm f/5.6L USM	0.12	Ring-type USM <sup>*3</sup>	O	—	77	90x256.5/3.5"x10.1"	1,250/2.8 lbs.
EF 500mm f/4L IS USM	0.12	Ring-type USM <sup>*3</sup>	O	O	52 drop-in	146x387/5.8"x15.2"	3,870/8.5 lbs.
EF 600mm f/4L IS USM	0.12	Ring-type USM <sup>*3</sup>	O	O	52 drop-in	168x456/6.6"x18"	5,360/11.8 lbs.
EF 50mm f/2.5 Compact Macro	0.5	AFD	—	—	52	67.6x63/2.7"x2.5"	280/9.9
Life-size Converter EF (exclusive for EF 50mm f/2.5 Compact Macro)	1	—	—	—	—	67.6x34.9/2.7"x1.4"	160/5.6
EF 100mm f/2.8 Macro USM	1	Ring-type USM <sup>*3</sup>	O	—	58	78.6x118.6/3.1"x4.7"	580/1.3 lbs.
EF 180mm f/3.5L Macro USM	1	Ring-type USM <sup>*3</sup>	O	—	72	82.5x186.6/3.3"x7.4"	1,090/2.6 lbs.
MP-E 65mm f/2.8 1-5 x Macro Photo	5	—	O	—	58	81x98/3.2"x3.9"	710/1.6 lbs.
TS-E 24mm f/3.5L	0.14	—	—	—	72	78x86.7/3.1"x3.4"	570/1.3 lbs.
TS-E 45mm f/2.8	0.16	—	—	—	72	81x90.1/3.2"x3.5"	645/1.4 lbs.
TS-E 90mm f/2.8	0.29	—	—	—	58	73.6x88/2.9"x3.5"	565/1.2 lbs.
Extender EF 1.4 x II	—	—	—	O	—	72.8x27.2/2.9"x1.1"	220/7.8
Extender EF 2 x II	—	—	—	O	—	71.8x57.9/2.8"x2.3"	265/9.3
EF 16-35mm f/2.8L USM	0.22(at 35mm)	Ring-type USM <sup>*3</sup>	O	O	77	83.5x103/3.3"x4.1"	600/1.3 lbs.
EF 17-40mm f/4L USM	0.24(at 40mm)	Ring-type USM <sup>*3</sup>	O	O	77	83.5x96.8/3.3"x3.8"	475/1 lb.
EF 20-35mm f/3.5-4.5 USM	0.13(at 35mm)	Ring-type USM <sup>*3</sup>	O	O	77	83.5x68.9/3.3"x2.7"	340/12
EF 24-70mm f/2.8L USM	0.29(at 70mm)	Ring-type USM <sup>*3</sup>	O	O	77	83.2x123.5/3.3"x4.9"	950/2.1 lbs.
EF 24-85mm f/3.5-4.5 USM	0.16(at 85mm)	Ring-type USM <sup>*3</sup>	O	—	67	73x69.5/2.9"x2.7"	380/13.4
EF 24-105mm f/4L IS USM	0.23(at 105mm)	Ring-type USM <sup>*3</sup>	O	O	77	83.5x107/3.3"x4.2"	670/23.6
EF 28-90mm f/4-5.6 II USM	0.3(at 90mm)	Micro USM	—	—	58	67x71/2.6"x2.8"	190/6.7
EF 28-90mm f/4-5.6 III	0.3(at 90mm)	MM <sup>*4</sup>	O	—	58	67x71.2/2.6"x2.8"	190/6.7
EF 28-105mm f/3.5-4.5 II USM	0.19(at 105mm)	Ring-type USM <sup>*3</sup>	O	—	58	72x75/2.8"x3"	375/13.2
EF 28-105mm f/4-5.6 USM	0.19(at 105mm)	Micro USM II	O	—	58	67x68/2.6"x2.7"	210/7.4
EF 28-105mm f/4-5.6	0.19(at 105mm)	MM <sup>*4</sup>	O	—	58	67x68/2.6"x2.7"	210/7.4
EF 28-135mm f/3.5-5.6 IS USM	0.19(at 135mm)	Ring-type USM <sup>*3</sup>	O	—	72	78.4x96.8/3.1"x3.8"	540/1.2 lbs.
EF 28-200mm f/3.5-5.6 USM	0.28(at 200mm)	Micro USM	O	—	72	78.4x89.6/3.1"x3.5"	500/1.1 lbs.
EF 28-200mm f/3.5-5.6	0.28(at 200mm)	MM <sup>*4</sup>	O	—	72	78.4x89.6/3.1"x3.5"	495/1.1 lbs.
EF 28-300mm f/3.5-5.6L IS USM	0.3(at 300mm)	Ring-type USM <sup>*3</sup>	O	O	77	92x184/3.6"x7.2"	1,670/3.7 lbs.
EF 55-200mm f/4.5-5.6 II USM	0.21(at 200mm)	Micro USM	—	—	52	70.4x97.3/2.8"x3.8"	310/10.9
EF 70-200mm f/2.8L IS USM	0.17(at 200mm)	Ring-type USM <sup>*3</sup>	O	O	77	86.2x197/3.4"x7.8"	1,470/3.2 lbs.
EF 70-200mm f/2.8L USM	0.16(at 200mm)	Ring-type USM <sup>*3</sup>	O	O	77	84.6x193.6/3.3"x7.6"	1,310/2.9 lbs.
EF 70-200mm f/4L USM	0.21(at 200mm)	Ring-type USM <sup>*3</sup>	O	—	67	76x172/3"x6.8"	705/1.6 lbs.
EF 70-200mm f/4L IS USM	0.21(at 200mm)	Ring-type USM <sup>*3</sup>	O	O	67	76x172/3"x6.8"	760/1.7 lbs.
EF 70-300mm f/4-5.6 IS USM	0.26(at 300mm)	Micro USM	O	—	58	76.5x142.8/3.0"x5.6"	630/22.2
EF 70-300mm f/4.5-5.6 DO IS USM	0.19(at 300mm)	Ring-type USM <sup>*3</sup>	O	—	58	82.4x99.9/3.2"x3.9"	720/1.6 lbs.
EF 75-300mm f/4-5.6 III USM	0.25(at 300mm)	Micro USM	—	—	58	71x122/2.8"x4.8"	480/1.1 lbs.
EF 75-300mm f/4-5.6 III	0.25(at 300mm)	MM <sup>*4</sup>	—	—	58	71x122/2.8"x4.8"	480/1.1 lbs.
EF 80-200mm f/4.5-5.6 II	0.16(at 200mm)	MM <sup>*4</sup>	—	—	52	69x78.5/2.7"x3.1"	250/8.8
EF 90-300mm f/4.5-5.6 USM	0.25(at 300mm)	Micro USM	O	—	58	71x114.7/2.8"x4.5"	420/14.8
EF 90-300mm f/4.5-5.6	0.25(at 300mm)	MM <sup>*4</sup>	O	—	58	71x114.7/2.8"x4.5"	420/14.8
EF 100-300mm f/4.5-5.6 USM	0.2(at 300mm)	Ring-type USM <sup>*3</sup>	O	—	58	73x121.5/2.9"x4.8"	540/1.2 lbs.
EF 100-400mm f/4.5-5.6L IS USM	0.2(at 400mm)	Ring-type USM <sup>*3</sup>	O	—	77	92x189/3.6"x7.4"	1,380/3 lbs.
EF-S 60mm f/2.8 Macro USM	1	Ring-type USM	O	—	52	73x69.8/2.9"x2.8"	335/11.8
EF-S 10-22mm f/3.5-4.5 USM	0.17(at 22mm)	Ring-type USM <sup>*3</sup>	O	—	77	83.5x89.8/3.3"x3.5"	385/13.6
EF-S 17-55mm f/2.8 IS USM	0.17(at 55mm)	Ring-type USM <sup>*3</sup>	O	—	77	83.5x110.6/3.3"x4.4"	645/1.4 lbs.
EF-S 17-85mm f/4-5.6 IS USM	0.2(at 85mm)	Ring-type USM <sup>*3</sup>	O	—	67	78.5x92/3.1"x3.6"	475/1 lb.
EF-S 18-55mm f/3.5-5.6 II USM	0.28(at 55mm)	Micro USM II	O	—	58	68.5x66/2.7"x2.6"	190/6.7
EF-S 18-55mm f/3.5-5.6 II	0.28(at 55mm)	MM <sup>*4</sup>	O	—	58	68.5x66/2.7"x2.6"	190/6.7

●The EF 300mm f/2.8L IS USM, EF 400mm f/2.8L IS USM, EF 400mm f/4 DO IS USM, EF 500mm f/4L IS USM, Extender EF 1.4xII/EF 2xII, EF 16-35mm f/2.8L USM, EF 17-40mm f/4L USM, EF 24-70mm f/2.8L USM, EF 28-300mm f/3.5-5.6L IS USM, EF 70-200mm f/2.8L IS USM have a cam ring which improves dust and drip resistance and which may cause slight scratching around the camera mount, but this in no way affects use of either the camera or the lens.

## With Extender EF 1.4xII attached

When used with EF Lens	EF135mm f/2L USM	EF180mm f/3.5L Macro USM	EF200mm f/2.8L II USM	EF300mm f/2.8L IS USM	EF300mm f/4L IS USM	EF400mm f/2.8L IS USM	EF400mm f/4 DO IS USM	EF400mm f/5.6L USM
Focal length (mm)	189	252	280	420	420	560	560	560
Maximum aperture (f/)	2.8~45	4.5~45(5~45)* <sup>1</sup>	4~45	4~45	5.6~45	4~45	5.6~45	8~45
Maximum magnification (X)	0.27	1.4	0.22	0.19	0.33	0.22	0.17	0.18
AF	○	○* <sup>2</sup>	○	○	○	○	○	○* <sup>3</sup>
IS	—	—	—	○	○	○	○	—

When used with EF Lens	EF500mm f/4L IS USM	EF600mm f/4L IS USM	EF70-200mm f/2.8L IS USM	EF70-200mm f/2.8L USM	EF70-200mm f/4L IS USM	EF70-200mm f/4L USM	EF100-400mm f/4.5-5.6L IS USM
Focal length (mm)	700	840	98~280	98~280	98~280	98~280	140~560
Maximum aperture (f/)	5.6~45	5.6~45	4~45	4~45	5.6~45	5.6~45	6.7~54 (6.3~57)* <sup>1</sup>
Maximum magnification (X)	0.17	0.17	0.24	0.22	0.29	0.31	0.28
AF	○	○	○	○* <sup>4</sup>	○	○	○* <sup>3</sup>
IS	○	○	○	—	○	—	○* <sup>5</sup>

## With Extender EF2xII attached

When used with EF Lens	EF135mm f/2L USM	EF180mm f/3.5L Macro USM	EF200mm f/2.8L II USM	EF300mm f/2.8L IS USM	EF300mm f/4L IS USM	EF400mm f/2.8L IS USM	EF400mm f/4 DO IS USM	EF400mm f/5.6L USM
Focal length (mm)	270	360	400	600	600	800	800	800
Maximum aperture (f/)	4~64	6.7~64(7.1~64)* <sup>5</sup>	5.6~64	5.6~64	8~64	5.6~64	8~64	11~64
Maximum magnification (X)	0.38	2.0	0.32	0.28	0.47	0.31	0.24	0.25
AF	○	X	○	○	○* <sup>3</sup>	○	○* <sup>3</sup>	X
IS	—	—	—	○	○* <sup>5</sup>	○	○* <sup>5</sup>	—

When used with EF Lens	EF500mm f/4L IS USM	EF600mm f/4L IS USM	EF70-200mm f/2.8L IS USM	EF70-200mm f/2.8L USM	EF70-200mm f/4L IS USM	EF70-200mm f/4L USM	EF100-400mm f/4.5-5.6L IS USM
Focal length (mm)	1,000	1,200	140~400	140~400	140~400	140~400	200~800
Maximum aperture (f/)	8~64	8~64	5.6~64	5.6~64	8~64	8~64	9.5~76 (9~81)* <sup>5</sup>
Maximum magnification (X)	0.25	0.24	0.36	0.33	0.42	0.45	0.41
AF	○* <sup>3</sup>	○* <sup>3</sup>	○	○* <sup>4</sup>	○* <sup>3</sup>	○* <sup>3</sup>	X
IS	○* <sup>5</sup>	○* <sup>5</sup>	○	—	○* <sup>5</sup>	—	○* <sup>5</sup>

When using the Extender EF 1.4xII the autofocus drops in speed by approximately one half, and when using the Extender EF 2xII it drops 1/4.

\*<sup>1</sup> The aperture is for bodies using 1/2-step displays. In the case of 1/3-step displays, the aperture values of some lenses are shown in parentheses.

\*<sup>2</sup> Autofocus use range is 0.8m to ∞.

\*<sup>3</sup> AF can be used only with the center measuring point when using the EOS-1V/HS, EOS-3, EOS-1Ds Mark II, EOS-1Ds, EOS-1D Mark II N, EOS-1D Mark II, EOS-1D, EOS 5D. With other EOS cameras only manual focus is available.

\*<sup>4</sup> AF is possible using only the center measuring point when using a multi-point measurement EOS.

\*<sup>5</sup> Cameras with which the image stabilizing function is available are the EOS-1V/HS, EOS-1N/DP/HS/RS, EOS-3, EOS 7s, EOS 7/EOS 55, EOS 3000N/XSN, EOS 3000/88, EOS 5000/888, EOS IX E/IX, EOS IX 50/Lite/7, EOS-1Ds Mark II, EOS-1Ds, EOS-1D Mark II N, EOS-1D Mark II, EOS-1D, EOS 5D, EOS 30D, EOS 20D, EOS 20Da, EOS 10D, EOS D60, EOS D30, EOS D6000, EOS D2000, EOS-DCS 1 and EOS-DCS 3.

# EF Lens Accessory Chart

Lens	Extension Tube EF 12 II	Extension Tube EF 25 II	LENS HOOD	LENS CAP	Lens Pouch/Case	Gelatin Filter Holder III (Hood III*)	Gelatin Filter Holder IV (Hood IV**)
EF 15mm f/2.8 Fisheye	—	—	Built-in	Exclusive	LP814	NC*2	NC*2
EF 14mm f/2.8L USM	—	—	Built-in	Exclusive	LP1016	NC*2	NC*2
EF 20mm f/2.8 USM	0.72-0.60X	—	EW-75 II	E-72U	LP1214	NC	0
EF 24mm f/1.4L USM	0.66-0.50X	—	EW-83D II	E-77U	LP1214	NC	0
EF 24mm f/2.8	0.64-0.50X	1.22-1.11X	EW-60 II	E-58	LP811	0	0
EF 28mm f/1.8 USM	0.61-0.43X	1.13-0.96X	EW-63 II	E-58U	LP814	0	0
EF 28mm f/2.8	0.56-0.43X	1.09-0.95X	EW-65 II	E-52	LP1011	1	1
EF 35mm f/1.4L USM	0.54-0.36X	0.97-0.79X	EW-78C	E-72U	LP1214	NC	0
EF 35mm f/2	0.58-0.35X	1.00-0.77X	EW-65 II	E-52	LP1011	2	2
EF 50mm f/1.2L USM	0.39-0.24X	0.67-0.53X	ES-78	E-72U	L1214	0	1
EF 50mm f/1.4 USM	0.39-0.24X	0.68-0.53X	ES-71 II	E-58U	LP1014	2*3	2
EF 50mm f/1.8 II	0.39-0.24X	0.68-0.53X	ES-62+ADP	E-52	LP1014	2	1
EF 85mm f/1.2L II USM	0.25-0.15X	0.42-0.33X	ES-79 II	E-72U	LP1219	4	4
EF 85mm f/1.8 USM	0.27-0.15X	0.44-0.32X	ET-65 III	E-58U	LP1014	5	4
EF 100mm f/2 USM	0.27-0.13X	0.42-0.28X	ET-65 III	E-58U	LP1014	5	4
EF 135mm f/2L USM	0.29-0.09X	0.41-0.20X	ET-78 II	E-72U	LP1219	5	5
EF 135mm f/2.8 (with Sofffocus)	0.22-0.09X	0.33-0.20	ET-65 III	E-52	LP1016	5	4
EF 200mm f/2.8L II USM	0.23-0.06X	0.32-0.14X	ET-83B II	E-72U	LP1222	5	5
EF 300mm f/2.8L IS USM	0.18-0.04X	0.24-0.09X	ET-120	E-145	Lens Case 300	NC*5	NC*5
EF 300mm f/4L IS USM	0.30-0.04X	0.37-0.09X	Built-in	E-77U	LZ1128	5*6	4
EF 400mm f/2.8L IS USM	0.19-0.03X	0.23-0.06X	ET-155	E-180C	Lens Case 400	NC*5	NC*5
EF 400mm f/4 DO IS USM	0.16-0.03X	0.20-0.07X	ET-120	E-145	Lens Case 400B	NC*5	NC*5
EF 400mm f/5.6L USM	0.16-0.03X	0.21-0.07X	Built-in	E-77U	LZ1132	5*6	5
EF 500mm f/4L IS USM	0.15-0.03X	0.18-0.05X	ET-138	E-163	Lens Case 500	NC*5	NC*5
EF 600mm f/4L IS USM	0.14-0.02X	0.17-0.05X	ET-160	E-185	Lens Case 600	NC*5	NC*5
EF 50mm f/2.5 Compact Macro	0.74-0.24X	1.04-0.54X	—	E-52	LP814	2	2
Life-size Converter EF (exclusive for EF 50mm f/2.5 Compact Macro)	—	—	—	R-F-3	LP811	5*4	5*4
EF 100mm f/2.8 Macro USM	1.19-0.12X	1.39-0.26X	ET-67	E-58U	LP1219	4	4
EF 180mm f/3.5L Macro USM	1.09-0.07X	1.21-0.15X	ET-78 II	E-72U	LZ1324	5	5
MP-E 65mm f/2.8 1-5 x Macro Photo	—	—	Exclusive	E-58	LP1216	0	0
TS-E 24mm f/3.5L	0.62-0.49X	1.21-1.10X	EW-75B II	E-72	LP1216	0*9	0*9
TS-E 45mm f/2.8	0.44-0.27X	—	EW-79B II	E-72	LP1216	0	0
TS-E 90mm f/2.8	0.43-0.14X	0.60-0.31X	ES-65 III	E-58	LP1016	1	1
Extender EF 1.4 x II	—	—	—	Extender Cap E II	LP811	—	—
Extender EF 2 x II	—	—	—	Extender Cap E II	LP811	—	—
EF 16-35mm f/2.8L USM	0.87-0.36X	1.09-0.80X	EW-83E	E-77U	LP1319	NC	0*8
EF 17-40mm f/4L USM	0.83-0.32X	1.02-0.70X	EW-83E	E-77U	LP1319	NC	0*8
EF 20-35mm f/3.5-4.5 USM	0.70-0.36X	1.00-0.80X	EW-83 II	E-77U	LP1214	NC	0*8
EF 24-70mm f/2.8L USM	0.63-0.18X	0.75-0.40X	EW-83F	E-77U	LP1219	0*8	0*8
EF 24-85mm f/3.5-4.5 USM	0.59-0.15X	1.23-0.33X	EW-73 II	E-67U	LP1014	NC	0*8
EF 24-105mm f/4L IS USM	0.60-0.12X	0.61-0.27X	EW-83H	E-77U	LP1219	NC	0
EF 28-90mm f/4-5.6 III	0.56-0.14X	1.13-0.31X	EW-60C	E-58U	LP814	0	0
EF 28-105mm f/3.5-4.5 II USM	0.53-0.12X	0.75-0.27X	EW-63 II	E-58U	LP814	0	0
EF 28-105mm f/4-5.6 USM	0.54-0.12X	1.11-0.27X	EW-63B	E-58U	LP814	0	0
EF 28-105mm f/4-5.6	0.54-0.12X	1.11-0.27X	EW-63B	E-58	LP814	0	0
EF 28-135mm f/3.5-5.6 IS USM	0.53-0.09X	1.09-0.21X	EW-78B II	E-72U	LP1116	NC	0
EF 28-200mm f/3.5-5.6 USM	0.54-0.06X	1.10-0.14X	EW-78D	E-72U	LP1116	NC	0
EF 28-300mm f/3.5-5.6L IS USM	0.50-0.04X	0.50-0.09X	EW-83G	E-77U	LZ1324	NC	6*8
EF 55-200mm f/4.5-5.6 II USM	0.29-0.06X	0.50-0.14X	ET-54	E-52U	LP1016	3	3
EF 70-200mm f/2.8L IS USM	0.24-0.06X	0.41-0.14X	ET-86	E-77U	LZ1324	0	1
EF 70-200mm f/2.8L USM	0.22-0.06X	0.41-0.14X	ET-83 II	E-77U	LZ1324	2	2
EF 70-200mm f/4L IS USM	0.23-0.06X	0.42-0.14X	ET-74	E-67U	LP1224	2	3
EF 70-200mm f/4L USM	0.29-0.06X	0.39-0.13X	ET-74	E-67U	LP1224	2	3
EF 70-300mm f/4-5.6 IS USM	0.32-0.04X	0.40-0.09X	ET-65B	E-58U	LP1222	2	3
EF 70-300mm f/4.5-5.6 DO IS USM	0.26-0.04X	0.46-0.09X	ET-65B	E-58U	LP1116	4	4
EF 75-300mm f/4-5.6 III USM	0.31-0.04X	0.39-0.09X	ET-60	E-58	LP1019	5	4
EF 75-300mm f/4-5.6 III	0.31-0.04X	0.39-0.09X	ET-60	E-58	LP1019	5	4
EF 90-300mm f/4.5-5.6 USM	0.31-0.13X	0.39-0.09X	ET-60	E-58U	LP1019	5	4
EF 90-300mm f/4.5-5.6	0.31-0.13X	0.39-0.09X	ET-60	E-58	LP1019	5	4
EF 100-300mm f/4.5-5.6 USM	0.26-0.04X	0.37-0.09X	ET-65 III	E-58U	LP1019	5	4
EF 100-400mm f/4.5-5.6L IS USM	0.25-0.03X	0.35-0.07X	ET-83C	E-77U	LZ1324	4	5
EF-S 60mm f/2.8 Macro USM	1.28-0.20X	1.61-0.44X	ET-67B	E-52U	LP1016	6	6
EF-S 10-22mm f/3.5-4.5 USM	0.77-0.58X	Not recommended	EW-83E	E-77U	LP1319	NC	0
EF-S 17-55mm f/2.8 IS USM	0.45-0.23X	Not recommended	EW-83J	E-77U	LP1219	NC	0
EF-S 17-85mm f/4-5.6 IS USM	0.43-0.14X	0.72-0.33X	EW-73B	E-67U	LP1116	NC	0
EF-S 18-55mm f/3.5-5.6 II USM	0.81-0.23X	0.92-0.51X	EW-60C	E-58U	LP814	0	0
EF-S 18-55mm f/3.5-5.6 II	0.81-0.23X	0.92-0.51X	EW-60C	E-58	LP814	0	0

● The Extension Tube EF 12 II can be used with all lenses except the EF 15mm f/2.8 Fisheye, EF 14mm f/2.8L USM, MP-E 65mm f/2.8 1-5 x Macro Photo, EF-S 10-22mm f/3.5-4.5 USM at wide angles, EF-S 17-55mm f/2.8 IS USM at wide angles and EF-S 17-85mm f/4-5.6 IS USM at wide angles.  
● The Extension Tube EF 25 II can be used with all lenses except the EF 15mm f/2.8 Fisheye, EF 14mm f/2.8L USM, EF 20mm f/2.8 USM, EF 24mm f/1.4L USM, EF 16-35mm f/2.8L USM at wide angles, EF 17-40mm f/4L USM at wide angles, EF 20-35mm f/3.5-4.5 USM at wide angles, EF 24-70mm f/2.8L USM at wide angles, EF 24-105mm f/4L IS USM at wide angles, EF 28-300mm f/3.5-5.6L IS USM at wide angles, MP-E 65mm f/2.8 1-5x Macro Photo, and TS-E 45mm f/2.8, EF-S 10-22mm f/3.5-4.5 USM at wide angles, EF-S 17-85mm f/4-5.6 IS USM at wide angles, EF-S 18-55mm f/3.5-5.6 II USM at wide angles and EF-S 18-55mm f/3.5-5.6 II at wide angles. (We do not recommend use of the Extension Tube EF 25II with EF-S 10-22mm f/3.5-4.5 USM at near the tele end EF-S 17-55mm f/2.8 IS USM at near the tele end, since it radically reduces working distance.)  
\*1 Maximum number of Gelatin Filter Holder Hood III or IV which can be used. \*0 indicates that only the gelatin filter holder can be used. \*2 Use a rear drop-in gelatin filter holder. \*3 Use the special Gelatin Filter Holder Adapter III when attaching the Gelatin Filter Holder III to the EF 50mm f/1.4 USM. \*4 Maximum number of Gelatin Filter Holder Hood III or IV which can be used with the EF 50mm f/2.5 Compact Macro. \*5 Use the 52mm Drop-in Gelatin Filter Holder. \*6 The securing pin may be slightly difficult to use. \*7 Use the 48mm Drop-in Gelatin Filter Holder II. \*8 Vignetting occurs at wide angles. (We recommend using the built-in rear gelatin filter holder for the EF 16-35mm f/2.8L USM and EF 17-40mm f/4L USM.) \*9 Vignetting occurs during tilt and shift. NC: Not compatible with Gelatin Filter Holder III or IV.

# EF Lens Map



EF 15mm f/2.8 Fisheye



EF 14mm f/2.8L USM



EF 20mm f/2.8 USM



EF 24mm f/1.4L USM



EF 24mm f/2.8



EF 28mm f/1.8 USM



EF 28mm f/2.8



EF 35mm f/1.4L USM



EF 35mm f/2



EF 50mm f/1.2L USM



EF 50mm f/1.4 USM



EF 50mm f/1.8 II



EF 50mm f/2.5  
Compact Macro



Life-Size Converter EF



MP-E 65mm f/2.8  
1.5 x Macro Photo



EF 85mm f/1.2L II USM



EF 85mm f/1.8 USM



EF 100mm f/2 USM



EF 100mm f/2.8 Macro USM



EF 135mm f/2L USM



EF 135mm f/2.8 (with Sofffocus)



EF 180mm f/5.5L Macro USM



EF 200mm f/2.8L II USM



TS-E 24mm f/3.5L



TS-E 45mm f/2.8



TS-E 90mm f/2.8



EF 500mm f/2.8L IS USM



EF 300mm f/4L IS USM



EF 400mm f/2.8L IS USM



EF 400mm f/4 DO IS USM



EF 400mm f/5.6L USM



EF 500mm f/4L IS USM



EF 600mm f/4L IS USM



Extender EF 1.4xII



Extender EF 2xII



EF 16-35mm f/2.8L USM



EF 17-40mm f/4L USM



EF 20-35mm f/3.5-4.5 USM



EF 24-70mm f/2.8L USM



EF 24-85mm f/3.5-4.5 USM



EF 24-105mm f/4L IS USM



EF 28-90mm f/4-5.6 III



EF 28-105mm f/3.5-4.5 II USM



EF 28-105mm f/4-5.6 USM



EF 28-105mm f/4-5.6



EF 28-135mm f/3.5-5.6 IS USM



EF 28-200mm f/3.5-5.6 USM



EF 28-500mm f/3.5-5.6L IS USM



EF 55-200mm f/4.5-5.6 II USM



EF 70-200mm f/2.8L IS USM



EF 70-200mm f/2.8L USM



EF 70-200mm f/4L IS USM



EF 70-200mm f/4L USM



EF 70-300mm f/4-5.6 IS USM



EF 70-300mm f/4.5-5.6 DO IS USM



EF 75-300mm f/4-5.6 III USM



EF 75-300mm f/4-5.6 III



EF 90-300mm f/4.5-5.6 USM



EF 90-300mm f/4.5-5.6



EF 100-300mm f/4.5-5.6 USM



EF 100-400mm f/4.5-5.6L IS USM

**EF-S lenses** Exclusively for EF-S compatible DIGITAL SLR cameras  
Compatible EOS SLR cameras: EOS 30D, EOS 20D, EOS 20Da, EOS 300D DIGITAL (as of September 2006)



EF-S 60mm f/2.8 Macro USM



EF-S 10-22mm f/3.5-4.5 USM



EF-S 17-55mm f/2.8 IS USM



EF-S 17-85mm f/4-5.6 IS USM



EF-S 18-55mm f/3.5-5.6 II USM



EF-S 18-55mm f/3.5-5.6 II

# EF LENS WORK III The Eyes of EOS

September 2006, Eighth edition

---

**Publisher and Planning** Canon Inc. Lens Products Group

**Production and Editorial** Canon Inc. Lens Products Group

**Printer** Nikko Graphic Arts Co., Ltd.

**Thanks for the Cooperation of :** Brasserie Le Solférino/Restaurant de la Maison Fouraise, Chatou/  
Hippodrome de Marseille Borély/Cyrille Varet Créations, Paris/Jean  
Pavie, artisan luthier, Paris/Participation de la Mairie de Paris/Jean-  
Michel OTHONIEL, sculpteur

©Canon Inc. 2003

---

Products and specifications are subject to change without notice.

The photographs in this book are the property of Canon Inc., or used with the permission of the photographer.

**CANON INC.** 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501, Japan