

EF Lens Chart

CANON EF LENS SPECIFICATIONS	Apparent Focal length (mm)		Focus Drive	Angle of View (Diagonal)			Lens Construction (Groups/Elements)	Minimum Aperture (f)	Filter Diameter (mm)	Closest Focusing Distance		Length		Weight		Lens Hood	Lens Cap	Soft Case
	APS-C	APS-H		35mm	APS-C	APS-H				(ft.)	(m)	(in.)	(mm)	(oz.)	(g)			
Ultra-Wide Zoom																		
• EF 10-22mm f/3.5-4.5 USM ††	16-35	N/A	Ultrasonic	N/A	107°30'–63°30'	N/A	10/13	22	77	0.8	0.24	3-1/2	89.8	13.6	385	EW-83E	E-77U	LP1319
• EF 16-35mm f/2.8 II USM	26-56	21-45	Ultrasonic	108°10'–63°	68°9'–39°41'	86°–50°	12/16	22	82	0.92	0.28	4-2/5	111.6	22.4	635	EW-88	E-82U	LP1319
• EF 16-35mm f/2.8 USM †	26-56	21-45	Ultrasonic	108°10'–63°	68°9'–39°41'	86°–50°	10/14	22	77	0.9	0.28	4-1/8	103	1.3	600	EW-83E	E-77U	LP1319
• EF 17-35mm f/2.8 USM †	–	–	Ultrasonic	–	–	–	10/15	22	77	1.38	0.42	3-3/4	95.7	19.1	545	EW-83C	E-77U	–
• EF 17-40mm f/4L USM	27-64	22-52	Ultrasonic	104°–57°30'	65°54'–36°13'	83°12'–46°	9/12	22	77	0.92	0.28	3-3/4	96.8	1.1	475	EW-83E	E-77U	LP1319
• EF 20-35mm f/2.8 USM †	–	–	AFD	–	–	–	12/15	22	72	1.6	0.5	3-1/2	89.0	1.2	540	EW-75	–	–
• EF 20-35mm f/3.5-4.5 USM †	32-56	26-46	Ultrasonic	94°–63°	59°13'–39°41'	75°12'–50°24'	11/12	22-27	77	1.1	0.34	2-3/4	68.9	11.9	340	EW-83II	E-77U	LP1214
Standard Zoom																		
• EF 17-55mm f/2.8 IS USM ††	27-88	N/A	Ultrasonic	N/A	78°30'–27°50'	N/A	12/19	22	77	1.5	0.45	4-2/5	110.6	22.8	645	EW-83J	E-77U	–
• EF 17-85mm f/4-5.6 IS USM ††	27-136	N/A	Ultrasonic	N/A	78°30'–18°25'	N/A	12/17	22	67	1.1	0.35	3-5/8	92.0	1.1	475	EW-73B	E-67U	LP1116
• EF 18-55mm f/3.5-5.6 IS ††	29-88	N/A	MM	N/A	74°20'–27°50'	N/A	9/11	22	58	0.82	0.25	2-3/4	68.5	7.8	200	EW-60C	E-58	LP814
• EF 18-55mm f/3.5-5.6 USM †	29-88	N/A	Ultrasonic	N/A	74°20'–27°50'	N/A	9/11	22-38	58	0.92	0.28	2-5/8	66.2	6.7	190	EW-60C	E-58U	LP814
• EF 18-55mm f/3.5-5.6 IS †††††	29-88	N/A	MM	N/A	74°20'–27°50'	N/A	9/11	22-38	58	0.92	0.28	2-5/8	66.2	6.7	190	EW-60C	E-58U	LP814
• EF 18-200mm f/3.5-5.6 IS	29-320	N/A	DC motor	N/A	74°20'–7°50'	N/A	12/16	22-36	72	1.5	0.45	4	102	21.0	595	EW-78D	E-72	LP1116
• EF 22-55mm f/4-5.6 USM †	–	–	Ultrasonic	–	–	–	9/9	22-32	58	–	0.35	–	–	–	175	–	–	
• EF 24-70mm f/2.8L USM	38-112	31-91	Ultrasonic	84°–34°	52°55'–21°25'	67°12'–27°12'	13/16	22	77	1.25	0.38	4-7/8	123.5	2.1	950	EW-83F	E-77U	LP1219
• EF 24-85mm f/3.5-4.5 USM †	38-136	31-111	Ultrasonic	84°–28°30'	52°55'–17°57'	67°12'–22°48'	12/15	22-32	67	1.6	0.5	2-3/4	69.5	13.4	380	EW-73II	E-67U	LP1014
• EF 24-105mm f/4L IS USM	38-168	31-136	Ultrasonic	84°–23°20'	52°55'–14°40'	67°12'–18°24'	13/18	22-27	77	1.5	0.45	3-5/16	83.5	1.5	670	EW-83H	E-77U	LP1219
• EF 28-70mm f/2.8L USM †	–	–	Ultrasonic	–	–	–	11/16	22	77	1.6	0.5	4-5/8	117.6	1.9	880	EW-83B	E-77U	–
• EF 28-70mm f/3.5-4.5 †	–	–	MM	–	–	–	9/10	29	52	–	0.39	–	–	–	300	–	–	
• EF 28-80mm f/3.5-5.6 USM ††	45-128	36-104	MM	75°–30°	47°15'–18°54'	60°–24°	10/10	22-38	58	1.25	0.38	2-13/16	71.2	7.8	200	EW-60C	E-58	LP814
• EF 28-80mm f/3.5-5.6 IS ††	45-128	36-104	MM	75°–30°	47°15'–18°54'	60°–24°	10/10	22-38	58	1.25	0.38	2-13/16	71.2	7.8	200	EW-60C	E-58	LP814
• EF 28-80mm f/3.5-5.6 †	45-128	36-104	MM	75°–30°	47°15'–18°54'	60°–24°	10/10	22-38	58	1.25	0.38	2-13/16	71.2	7.8	200	EW-60C	E-58	LP814
• EF 28-90mm f/4-5.6 III †	45-144	36-117	MM/Ultrasonic	75°–27°	47°15'–17°	60°–21°36'	8/10	22-32	58	1.3	0.38	2-13/16	71.0	6.7	190	EW-60C	E-58U/E-58	LP814
• EF 28-90mm f/4-5.6 USM †	45-144	36-117	Ultrasonic	75°–27°	47°15'–17°	60°–21°36'	8/10	22-32	58	1.3	0.38	2-13/16	71.0	6.7	190	EW-60C	E-58U	LP814
• EF 28-105mm f/3.5-4.5 IS USM †	45-168	36-136	Ultrasonic	75°–23°20'	47°15'–14°40'	60°–18°24'	12/15	22-27	58	1.6	0.5	3	75.0	13.1	375	EW-63II	E-58	LP814
• EF 28-105mm f/4-5.6 USM †	45-168	36-136	Ultrasonic	75°–23°20'	47°15'–14°40'	60°–18°24'	10/10	22-32	58	1.57	0.48	2-11/16	68.0	7.4	210	EW-63B	E-58U	LP814
• EF 28-135mm f/3.5-5.6 IS USM	42-216	36-176	Ultrasonic	75°–18°	47°15'–11°20'	60°–14°24'	12/16	22-36	72	1.64	0.5	3-13/16	96.8	1.2	540	EW-78BII	E-72U	LP1116
• EF 28-200mm f/3.5-5.6 USM †	45-320	36-260	Ultrasonic	75°–12°	47°15'–7°34'	60°–9°36'	12/16	22-36	72	1.5	0.45	3-1/2	89.6	1.1	500	EW-78D	E-72U	LP1116
• EF 35-80mm f/4-5.6 III † / II / USM †	56-128	46-104	MM	63°–30°	39°41'–18°54'	50°24'–24°	8/8	22-32	52	1.3	0.4	2-1/2	63.5	6.2	175	EW-54II	E-52	LP814
• EF 35-135mm f/4-5.6 USM †	–	–	Ultrasonic	–	–	–	12/14	22-32	58	2.5	0.75	3-3/8	86.0	15.0	425	EW-62	–	–
Telephoto Zoom																		
• EF 28-300mm f/3.5-5.6L IS USM	45-480	36-390	Ultrasonic	75°–8°15'	47°15'–5°24'	60°–6°36'	16/22	38	77	2.3	0.7	7-1/4	184.0	3.7	1,670	EW-83G	E-77U	LZ1324
• EF 35-350mm f/3.5-5.6L USM †	–	–	Ultrasonic	–	–	–	15/21	22-32	72	2.0	0.6	6-9/16	167	3.0	1,385	EW-78	E-72U	–
• EF 55-200mm f/4-5.6 II USM / USM †	88-320	72-260	Ultrasonic	72-260	27°55'–7°34'	34°24'–9°36'	13/13	22-29	52	3.9	1.2	3-13/16	97.3	10.9	310	ET-54	E-52U	LP1016
• EF 55-250mm f/4-5.6 IS ††	88-400	N/A	DC motor	N/A	27°55'–6°15'	N/A	10/12	22-32	58	3.6	1.1	4.3	108	15.4	390	ET-60	E-58	LP1019
• EF 70-200mm f/2.8L IS USM / USM †	112-320	91-260	Ultrasonic	34°–12°	21°15'–7°34'	27°12'–9°36'	18/23	32	77	4.6	1.4	7-13/16	197.0	3.2	1,470	ET-86	E-77U	LZ1324
• EF 70-200mm f/4L IS USM	112-320	91-260	Ultrasonic	34°–12°	21°15'–7°34'	27°12'–9°36'	15/20	32	67	3.9	1.2	6-7/8	172.0	26.8	760	ET-74	E-67U	LP1224
• EF 70-200mm f/4L USM	112-320	91-260	Ultrasonic	34°–12°	21°15'–7°34'	27°12'–9°36'	13/16	32	67	3.9	1.2	6-7/8	172.0	19.2	705	ET-74	E-67U	LP1224
• EF 70-300mm f/4-5.6 DO IS USM	112-480	91-390	Ultrasonic	34°–8°15'	21°15'–5°24'	27°12'–6°36'	12/18	32-38	58	4.6	1.4	3-7/8	99.0	1.6	720	ET-65B	E-58U	LP1116
• EF 70-300mm f/4-5.6 IS USM †	112-480	91-390	Ultrasonic	34°–8°15'	21°15'–5°24'	27°12'–6°36'	10/15	32-45	58	4.9	1.5	5-7/16	137.2	1.4	630	ET-65B	E-58U	LP1222
• EF 75-300mm f/4-5.6 IS USM †	120-480	98-390	Ultrasonic	32°11'–8°15'	20°17'–5°24'	25°46'–6°36'	10/15	32-45	58	4.9	1.5	5-7/16	137.2	1.4	630	ET-64II	E-58U	LP1022
• EF 75-300mm f/4-5.6 IS USM ††	120-480	98-390	MM/Ultrasonic	32°11'–8°15'	20°17'–5°24'	25°46'–6°36'	9/13	32-45	58	4.9	1.5	4-13/16	122.0	1.1	480	ET-60	E-58U	LP1019
• EF 75-300mm f/4-5.6 USM †	120-480	98-390	Ultrasonic	32°11'–8°15'	20°17'–5°24'	25°46'–6°36'	13/16	32	72	5.9	1.8	7-5/16	186	2.9	1,330	ES-79	–	–
• EF 80-200mm f/2.8L	–	–	AFD	–	–	–	13/16	32	72	5.9	1.8	7-5/16	186	2.9	1,330	ES-79	–	–
• EF 80-200mm f/4-5.6 II † / USM †	128-320	104-260	MM/Ultrasonic	30°–12°	18°54'–7°34'	24°–9°36'	7/10	22-27	52	4.9	1.5	3-1/8	78.5	8.8	250	ET-54	E-52	LP1014
• EF 100-300mm f/4.5-5.6L USM	160-480	130-390	Ultrasonic	24°–8°15'	15°7'–5°24'	19°12'–6°36'	10/13	32-38	58	4.9	1.5	4-3/4	121.5	1.2	540	ET-65III	E-58U	LP1019
• EF 100-300mm f/5.6L †	–	–	AFD	–	–	–	10/15	32	58	4.6	1.4	6-9/16	167	1.5	695	ET-62II	–	–
• EF 100-400mm f/4.5-5.6L IS USM	160-640	130-520	Ultrasonic	24°–6°10'	15°7'–3°53'	19°12'–4°56'	14/17	32-38	77	5.9	1.8	7-7/16	189.0	3.0	1,360	ET-83C	E-77U	LZ1324
Wide-Angle																		
• EF 14mm f/2.8L II USM	22	18	Ultrasonic	114°	71°49'	91°12'	11/14	22	Getatin	0.66	0.2	3-3/4	116.0	22.8	645	Built-in	Exclusive	LP1016
• EF 14mm f/2.8L USM †	22	18	Ultrasonic	114°	71°49'	91°12'	10/14	22	Getatin	0.8	0.25	3-1/2	89.0	1.2	560	Built-in	Exclusive	LP1016
• EF 15mm f/2.8 Fisheye	24	20	AFD	180°	113°24'	144°	7/8	22	Getatin	0.7	0.2	2-7/16	62.2	11.6	330	Built-in	Exclusive	LP814
• EF 20mm f/2.8 USM	32	26	Ultrasonic	94°	59°13'	75°12'	9/11	22	72	0.8	0.25	2-13/16	70.6	14.3	405	EW-75II	E-77U	LP1214
• EF 24mm f/1.4L II USM	38	31	Ultrasonic	84°	52°55'	67°12'	10/13	22	77	0.8	0.25	3.4	86.9	22.9	650	EW-83K	E-77U	LP1319
• EF 24mm f/1.4L USM †	38	31	Ultrasonic	84°	52°55'	67°12'	10/11	22	77	0.82	0.25	3	77.4	1.2	550	EW-83DII	E-77U	LP1219
• EF 24mm f/2.8	38	31	AFD	84°	52°55'	67°12'	10/10	22	58	0.8	0.25	1-7/8	48.5	9.5	270	EW-60II	E-58	LP811
•																		

The Finest Accessories for Your Lenses.

To enhance the stellar features of the EF Lens system, there are a number of accessories designed to perform perfectly with your system. Canon offers cases to protect your lenses, hoods and filters to control glare, and a number of adapters to further expand the possibilities of your EF Lenses and your EOS System.

General Purpose



Lens Cases



Lens Hoods

Lens Cases and Lens Hoods

These functional, rugged cases are indispensable for protecting lenses. Lens hoods help prevent unwanted glare from affecting your photographs.

Available Sizes
See EF Lens Specifications.



Haze (UV-1)

Haze (UV-1)

The Haze (UV-1) filter absorbs ultraviolet light and is most effective on sunny days for cutting haze out of the shot.

Type	Available Sizes
Screw-in	52mm, 58mm, 72mm



52mm Drop-in Screw Filter Holder

Drop-in Screw Filter Holder

A holder for screw-type filters, for use with rear-mounted drop-in filters.

Type	Available Sizes
Drop-in	48mm, 52mm. Includes clear filter. For super-telephoto lenses. Current IS Super-tele—52mm. Previous super-tele without IS—48mm.

Polarizing Filters



Not using Circular PL Filter



Using Circular PL Filter emphasizes the blue of the sky.



Not using Circular PL Filter



Using Circular PL Filter suppresses the reflection from the surface of the leaves and the surface of the water.

Close-up Lenses



Softmat Filters



Without Softmat Filter



Use a Softmat Filter for a soft effect.



Close-up Lens 250D/500D/500

The 250D/500D series incorporates double-element achromatic design for maximum optical performance. These screw-in lenses are used to provide a shorter minimum focusing distance with no loss of light. Each lens is optimized for a particular focal length. Manual focus is recommended with these lenses.

Type	Available Sizes
Screw-in	500D/500: 52mm, 72mm, 77mm. Optimized for lenses 70 thru 300mm. 250D: 52mm, 58mm. Optimized for lenses 50 thru 135mm.



Circular Polarizing Filter PL-C

Polarizing filters enhance picture quality by blocking harmful reflected light. Use it to reduce light reflections from glass and water surfaces or to improve color saturation. Simple to use, these filters polarize light circularly, rather than linearly, so they do not interfere with auto-focus or TTL light metering.

DROP-IN — For use with lenses using rear-mounted drop-in filters, this polarizing filter can be rotated from the outside without removing the holder from the lens, enabling precise control.

Type	Available Sizes
Screw-in	58mm, 72mm, 77mm, 82mm
Drop-in	48mm, 52mm. For super-telephoto lenses. Current IS Super-tele—52mm. Previous super-tele without IS—48mm.

Extension Tubes



Extension Tube EF 25 II & EF 12 II

These close-up accessories are placed between the camera body and lens to enable high-magnification photography. Eight electronic contact points allow communication between the camera and lens to continue as usual. The magnification differs according to the lens, but for standard zoom lenses it is about 0.3x to 0.5x for the EF 12 and 0.7x or more for the EF 25. By using both tubes effectively, the choice of magnifications can be greatly extended. However, for best results, manual focusing is recommended.

Loupes



Loupe 4x and 8x

Designed for viewing 35mm film frames at high magnifications, these loupes use a high-performance lens system that eliminates all aberration and distortion. They offer diopter adjustment of -4 to +1 dpt, and include an eyecup, hood and case.

Gelatin Filter Holders



Gelatin Filter Holder System

This convenient holder system allows the use of commercially available square filters without the need for cutting. The holder attaches to the lens through an adapter that fits the filter diameter. A special hood is available for use with the system. Use with 3-inch square type III and 4-inch square type IV gelatin filters. Gelatin filters can be used with most EF lenses.

Type	Available Sizes
Screw-in	Holder for 3-inch square (III) or 4-inch (IV) gelatin filters.

Type	Available Sizes
Screw-in	Lens shades which attach to holder can be stacked with telephoto lenses.

Type	Available Sizes
Screw-in	III: 52mm, 58mm, 67mm, 72mm, 77mm. IV: 58mm, 67mm, 72mm, 77mm.

Drop-in Gelatin Filter Holder II

Up to three gelatin filters can be placed in these holders. To use, insert a cut piece of gelatin film between the holder's filter frame and pressure clip, and screw on to the lens.

Type	Available Sizes
Drop-in	48mm, 52mm. For super-telephoto lenses. Current IS Super-tele—52mm. Previous super-tele without IS—48mm.

Extender EF Specifications	with Extender EF 1.4x II attached						with Extender EF 2x II attached					
	Apparent Focal Length (mm)						Apparent Focal Length (mm)					
	35mm	APS-H	APS-C	f-stop (f)	Maximum Magnification	AF	35mm	APS-H	APS-C	f-stop (f)	Maximum Magnification	AF
EF 135mm f/2L USM	189	246	302	2.5-4.5	0.27	○	270	351	432	4-6.4	0.38	○
EF 180mm f/3.5L Macro USM	252	328	403	4.5-4.5	1.4	○*2	360	468	576	6.7-6.4	2.00	×
EF 200mm f/2.8L II USM	280	364	448	2.5-3.2	0.22	○	400	520	640	5.6-6.4	0.32	○
EF 200mm f/2L IS USM	280	364	448	2.8-4.5	0.18	○	400	520	640	4-6.4	0.24	○*5
EF 300mm f/2.8L IS USM	420	546	672	4-4.5	0.15	○	600	780	960	5.6-6.4	0.28	○
EF 300mm f/4L IS USM	420	546	672	5.6-4.5	0.33	○	600	780	960	8-6.4	0.47	×
EF 400mm f/2.8L IS USM	560	728	896	4-4.5	0.22	○	800	1,040	1,280	5.6-6.4	0.31	○
EF 400mm f/4 DO IS USM	560	728	896	5.6-4.5	0.17	○	800	1,040	1,280	8-6.4	0.24	×
EF 400mm f/5.6L USM	560	728	896	8-4.5	0.18	×	800	1,040	1,280	11-6.4	0.27	×
EF 500mm f/4L IS USM	700	910	1,120	5.6-6.4	0.17	○	1,000	1,300	1,600	8-9.0	0.27	×
EF 600mm f/4L IS USM	840	1,092	1,344	5.6-6.4	0.17	○	1,200	1,560	1,920	8-9.0	0.27	×
EF 800mm f/5.6L IS USM	1,120	1,456	1,792	8-4.5	0.2	×	1,600	2,080	2,560	11-6.4	0.28	×
EF 1200mm f/5.6L USM	1,680	2,184	2,688	8-4.5	0.12	×	2,400	3,120	3,840	11-6.4	0.27	×
EF 70-200mm f/2.8L IS USM	98-280	127-364	157-448	4-4.5	0.23	○*1	140-400	182-520	224-640	5.6-6.4	0.34	○*1
EF 70-200mm f/2.8L USM	98-280	127-364	157-448	4-4.5	0.22	○	140-400	182-520	224-640	5.6-6.4	0.44	○
EF 70-200mm f/4L IS USM / USM	98-280	127-364	157-448	5.6-4.5	0.29	○	140-400	182-520	224-640	8-6.4	0.42	×
EF 100-400mm f/4.5-5.6L IS USM	140-560	182-728	224-896	6.7-5.4	0.28	×	200-800	260-1,120	320-1,280	9.5-7.6	0.40	×

For Best Results with your Canon EOS Camera Use Original Canon EF Lenses.

Each EOS camera body and each EF Lens has its own built-in microcomputer. These microcomputers store a range of special data to ensure the smooth operation of bodies and EF lenses which support two-way digital communications between each part to allow exchange of information. Since the EOS System's market launch in 1987, functions have been added and improved on a continuing basis, such as Optical Image Stabilizer on some lenses, speeding up the AF function, increasing the number of focusing points, and the addition of the Eye Controlled Focus™ Function. As the system's range of functions has evolved, the nature of the basic system of communications between lens and body has evolved as well, ensuring that complete compatibility is maintained. This process of evolution will continue in the future with the addition of more new specifications, resulting in still further gains in reliability. Accordingly, in order to realize the maximum performance of the EOS System and thereby achieve the highest possible photographic quality, we recommend that you use Canon EF lenses and Canon brand accessories, since they are designed and manufactured to match the special qualities of your EOS camera.

*1 If the lens is attached to an EOS camera, having multiple focusing points and an Extender is attached to the lens, only the center focusing point will be usable for AF. *2 The autofocus range is from 2.6 feet/0.8m to infinity. *3 With the EOS-1Ds Mark III, EOS-1Ds Mark II, EOS-1D Mark III, EOS-1D Mark II, EOS-1D, EOS-1D, EOS-1v and EOS-3, AF is possible with the center focusing point only. *4 The Image Stabilizer does not operate with the following cameras: EOS650, 630, 620, 600, RT, 700, 750, 850, EOS-1, A2, A2E, 10s, ELAN, Rebel, Rebel S, Rebel II and Rebel SII. *5 With the EOS-1Ds Mark II, EOS-1Ds, EOS-1D Mark II, EOS-1D Mark II, EOS-1D, EOS-1v, EOS-1v HS and EOS-3, AF is possible with the center focusing point only.