

8–15mm

Zoom Lens Table

11–16mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
8–15mm	f/4.0	PG DIG	CFE HSF	Canon Aug 2010	EF 8-15mm f/4L Fisheye USM		1499	1.88× Rotary	f/22	15cm 5.91 in 0.492 ft	0.34× 1:2.9	10.6×7.06cm 8.21×5.47cm 6.56×4.38cm	8.00–15.0mm 10.3–19.4mm 12.9–24.2mm	CF-CF CF-CF CF-CF	180–180° 180–180° 180–180°	180–180° 180–180° 180–180°	180–180° 180–180° 180–180°	IF RUSM FTMF	14 E 11 G 7 B	RG	78.5mm 3.09 in	83.0mm 3.27 in	540g 19.05 oz 1.190 lb	EW-77 Included
8–16mm	f/4.5–5.6	LG APS	HSF	Sigma	8-16mm F4.5-5.6 DC HSM		699	2.00× Rotary	f/22	24cm 9.45 in 0.787 ft	0.13× 1:7.8	N/A N/A 17.4×11.6cm	N/A N/A 12.9–25.8mm	N/A N/A UW-WA	N/A N/A 118–79.9°	N/A N/A 109–69.7°	N/A N/A 85.9–49.9°	IF HSM	15 E 11 G 7 B	N/S	75mm 2.95 in	105.7mm 4.16 in	555g 19.58 oz 1.224 lb	Integral
10–17mm	f/3.5–4.5	LG APS	DFE	Tokina	AT-X 107 AF DX Fisheye		669	1.70× Rotary	f/22	14cm 5.51 in 0.459 ft	0.39× 1:2.56	N/A N/A 5.71×3.81cm	N/A N/A 16.1–27.4mm	N/A N/A UF-UF	N/A N/A 112–62.0°	N/A N/A 92.8–51.5°	N/A N/A 62.0–34.4°	RF DC	10 E 8 G 6 B	N/A	69.85mm 2.75 in	70.88mm 2.79 in	350g 12.35 oz 0.772 lb	Integral
10–17mm	f/3.5–4.5	LG APS	DFE	Tokina	AT-X 107 AF DX NH Fisheye		689	1.70× Rotary	f/22	14cm 5.51 in 0.459 ft	0.39× 1:2.56	N/A N/A 5.71×3.81cm	N/A N/A 16.1–27.4mm	N/A N/A UF-UF	N/A N/A 112–62.0°	N/A N/A 92.8–51.5°	N/A N/A 62.0–34.4°	RF DC	10 E 8 G 6 B	N/A	69.85mm 2.75 in	70.88mm 2.79 in	350g 12.35 oz 0.772 lb	N/A
10–20mm	f/3.5	HG APS	HSF	Sigma	10-20mm F3.5 EX DC HSM		649	2.00× Rotary	f/22	24cm 9.45 in 0.787 ft	0.15× 1:6.6	N/A N/A 14.7×9.83cm	N/A N/A 16.1–32.3mm	N/A N/A UW-WA	N/A N/A 107–67.7°	N/A N/A 96.2–58.3°	N/A N/A 73.4–40.9°	IF HSM FTMF	13 E 10 G 7 B	82mm	87.3mm 3.44 in	88.2mm 3.47 in	520g 18.34 oz 1.146 lb	LH873-01 Included
10–20mm	f/4.0–5.6	HG APS	HSF	Sigma	10-20mm F4-5.6 EX DC HSM		479	2.00× Rotary	f/22	24cm 9.45 in 0.787 ft	0.15× 1:6.7	N/A N/A 14.9×9.98cm	N/A N/A 16.1–32.3mm	N/A N/A UW-WA	N/A N/A 107–67.7°	N/A N/A 96.2–58.3°	N/A N/A 73.4–40.9°	IF HSM FTMF	14 E 10 G 6 B	77mm	83.5mm 3.29 in	81mm 3.19 in	470g 16.58 oz 1.036 lb	LH825-04 Included
10–22mm	f/3.5–4.5	SG APS	HSF	Canon Nov 2004	EF-S 10-22mm f/3.5-4.5 USM		859	2.20× Rotary	f/22– 27	24cm 9.45 in 0.787 ft	0.17× 1:5.9	N/A N/A 13.1×8.77cm	N/A N/A 16.1–35.5mm	N/A N/A UW-NO	N/A N/A 107–62.7°	N/A N/A 96.2–53.8°	N/A N/A 73.4–37.4°	IF RUSM FTMF	13 E 10 G 6 BC	77mm	83.5mm 3.29 in	89.8mm 3.54 in	385g 13.58 oz 0.849 lb	EW-83E Optional
10–24mm	f/3.5–4.5	HG APS		Tamron	SP AF 10-24mm F/3.5-4.5 Di-II LD Aspherical [IF]		499	2.4× Rotary	N/S	24cm 9.45 in 0.787 ft	0.20× 1:5.1	N/A N/A 11.4×7.60cm	N/A N/A 16.1–38.7mm	N/A N/A UW-NO	N/A N/A 107–58.4°	N/A N/A 96.2–49.8°	N/A N/A 73.4–34.5°	IF DC	12 E 9 G 7 B	77mm	83.2mm 3.28 in	86.5mm 3.41 in	406g 14.32 oz 0.895 lb	Included
11–16mm	f/2.5	LG APS		Tokina	AT-X 116 PRO DX II		739	1.45× Rotary	f/22	30cm 11.8 in 0.984 ft	0.086× 1:11.6	N/A N/A 25.9×17.3cm	N/A N/A 17.8–25.8mm	N/A N/A UW-WA	N/A N/A 101–79.9°	N/A N/A 90.8–69.7°	N/A N/A 68.2–49.9°	IF DC	13 E 11 G 9 B	77mm	84mm 3.31 in	89.2mm 3.51 in	550g 19.40 oz 1.213 lb	BH-77B Included
11–16mm	f/2.8	HG APS		Tokina	AT-X 116 PRO DX		549	1.45× Rotary	f/22	30cm 11.8 in 0.984 ft	0.086× 1:11.6	N/A N/A 25.9×17.3cm	N/A N/A 17.8–25.8mm	N/A N/A UW-WA	N/A N/A 101–79.9°	N/A N/A 90.8–69.7°	N/A N/A 68.2–49.9°	IF DC	13 E 11 G 9 B	77mm	84mm 3.31 in	89.2mm 3.51 in	560g 19.75 oz 1.235 lb	BH-77A Included

11–18mm

Zoom Lens Table

16–28mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
11–18mm	f/4.0	LG APS		Promaster	11-18mm F4.0 Digital XR EDO Aspherical AF		Disc	1.64× Rotary	f/22–29	25cm 9.84 in 0.820 ft	0.13× 1:8	N/A N/A 17.8×11.9cm	N/A N/A 17.8–29.0mm	N/A N/A UW WA	N/A N/A 101–73.4°	N/A N/A 90.8–63.6°	N/A N/A 68.2–45.0°	IF DC	15 E 12 G N/S	77mm	83.2mm 3.28 in	78.6mm 3.09 in	354g 12.5 oz 0.781 lb	Included
11–18mm	f/4.5–5.6	HG APS		Tamron	SP AF 11-18 F/4.5-5.6 Di-II LD Aspherical [IF]		Disc	1.64× Rotary	N/S	25cm 9.84 in 0.820 ft	0.13× 1:8	N/A N/A 17.8×11.9cm	N/A N/A 17.8–29.0mm	N/A N/A UW WA	N/A N/A 101–73.4°	N/A N/A 90.8–63.6°	N/A N/A 68.2–45.0°	IF DC	15 E 12 G 7 B	77mm	83.2mm 3.28 in	78.6mm 3.09 in	355g 12.52 oz 0.783 lb	Included
12–24mm	f/4.0	LG APS		Promaster	12-24mm F/4.0 Digital XR EDO Aspherical AF		Disc	2.00× Rotary	f/22	30cm 11.8 in 0.984 ft	0.13× 1:8	N/A N/A 17.8×11.9cm	N/A N/A 19.4–38.7mm	N/A N/A WA NO	N/A N/A 96.4–58.4°	N/A N/A 85.8–49.8°	N/A N/A 63.7–34.5°	IF DC	13 E 11 G 9 B	77mm	89.5mm 3.52 in	83.7mm 3.30 in	570g 20.11 oz 1.257 lb	Included
12–24mm	f/4.0	HG APS		Tokina	AT-X 124 AF PRO DX II		449	2.00× Rotary	f/22	30cm 11.8 in 0.984 ft	0.13× 1:8	N/A N/A 17.8×11.9cm	N/A N/A 19.4–38.7mm	N/A N/A WA NO	N/A N/A 96.4–58.4°	N/A N/A 85.8–49.8°	N/A N/A 63.7–34.5°	IF DC	13 E 11 G 9 B	77mm	87.88mm 3.46 in	88.90mm 3.50 in	540g 19.05 oz 1.190 lb	BH-777 Included
12–24mm	f/4.0	HG APS		Tokina	AT-X 124 PRO DX		Disc	2.00× Rotary	f/22	30cm 11.8 in 0.984 ft	0.13× 1:8	N/A N/A 17.8×11.9cm	N/A N/A 19.4–38.7mm	N/A N/A WA NO	N/A N/A 96.4–58.4°	N/A N/A 85.8–49.8°	N/A N/A 63.7–34.5°	IF DC	13 E 11 G 9 B	77mm	84mm 3.31 in	89.5mm 3.52 in	570g 20.11 oz 1.257 lb	BH-777 Included
12–24mm	f/4.5–5.6	LG DIG	HSF	Sigma	12-24mm F4.5-5.6 DG HSM II		949	2.00× Rotary	f/22	28cm 11.0 in 0.919 ft	0.16× 1:6.4	23.0×15.4cm 17.9×11.9cm 14.3×9.54cm	12.0–24.0mm 15.5–31.0mm 19.4–38.7mm	UW WA UW WA WA NO	122–84.1° 109–69.9° 96.4–58.4°	113–73.7° 98.6–60.3° 85.8–49.8°	90.0–53.1° 75.6–42.4° 63.7–34.5°	HSM FTMF	17 E 13 G 6 B	N/S	85mm 3.35 in	120.2mm 4.73 in	670g 23.63 oz 1.477 lb	Integral
12–24mm	f/4.5–5.6	HG DIG	HSF	Sigma	12-24mm F4.5-5.6 EX DG ASP HSM		Disc	2.00× Rotary	f/22	28cm 11.0 in 0.919 ft	0.14× 1:7.1	25.6×17.0cm 19.8×13.2cm 15.8×10.6cm	12.0–24.0mm 15.5–31.0mm 19.4–38.7mm	UW WA UW WA WA NO	122–84.1° 109–69.9° 96.4–58.4°	113–73.7° 98.6–60.3° 85.8–49.8°	90.0–53.1° 75.6–42.4° 63.7–34.5°	IF HSM	16 E 12 G 6 B	RG	87mm 3.43 in	102.5mm 4.04 in	600g 21.16 oz 1.323 lb	Integral
15–30mm	f/3.5–4.5	HG DIG		Sigma	15-30mm F3.5-4.5 EX Aspherical DG DF		Disc	2.00× Rotary	f/22–32	30cm 11.8 in 0.984 ft	0.17× 1:6	21.6×14.0cm 16.7×11.2cm 13.4×8.94cm	15.0–30.0mm 19.4–38.7mm 24.2–48.4mm	UW WA WA NO WA NO	110–71.6° 96.4–58.4° 83.6–48.2°	100–61.9° 85.8–49.9° 73.2–40.8°	77.3–43.6° 63.6–34.4° 52.8–27.9°	IF DC	17 E 13 G 8 B	RG	87mm 3.43 in	132.5mm 5.22 in	615g 21.69 oz 1.356 lb	Integral
15–85mm	f/3.5–5.6	SG APS	HSF IS4	Canon Oct 2009	EF-S 15-85mm f/3.5-5.6 IS USM		772	5.67× Rotary	f/22–38	35cm 13.8 in 1.15 ft	0.21× 1:4.8	N/A N/A 10.6×7.10cm	N/A N/A 24.2–137mm	N/A N/A WA TE	N/A N/A 83.6–14.9°	N/A N/A 73.2–14.9°	N/A N/A 52.8–10.0°	IF RUSM FTMF	17 E 12 G 7 BC	72mm	81.6mm 3.21 in	87.5mm 3.44 in	575g 20.28 oz 1.268 lb	EW-78E Optional
16–28mm	f/2.8	HG FLM		Tokina	AT-X 16-28 F2.8 PRO FX		849	1.75× Rotary	f/22	28cm 11.0 in 0.919 ft	0.19× 1:5.26	18.9×12.6cm 14.7×9.78cm 11.7×7.84cm	16.0–28.0mm 20.7–36.1mm 25.8–45.2mm	UW WA WA NO WA NO	107–75.4° 92.7–61.8° 79.9–51.2°	96.7–65.5° 82.2–53.0° 69.7–43.4°	73.7–46.4° 60.3–36.7° 49.9–29.8°	IF DC	15 E 13 G 9 B	N/A	89.92mm 3.54 in	133.35mm 4.46 in	950g 33.51 oz 2.094 lb	Integral

16–35mm

Zoom Lens Table

17–40mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
16–35mm	f/2.8	PG DIG	HSF	Canon Apr 2007	EF 16-35mm f/2.8L II USM		1699	2.19× Rotary	f/22	28cm 11.0 in 0.919 ft	0.22× 1:4.5	16.4×10.9cm 12.7×8.46cm 10.1×6.77cm	16.0–35.0mm 20.7–45.2mm 25.8–56.5mm	UW WA WA NO NO	107–63.4° 92.7–51.2° 79.9–41.9°	96.7–54.4° 82.2–43.5° 69.7–35.3°	73.7–37.8° 60.3–29.8° 49.9–24.0°	IF RUSM FTMF	16 E 12 G 7 BC	82mm	88.5mm 3.48 in	111.6mm 4.39 in	640g 22.58 oz 1.411 lb	EW-88 Included
16–35mm	f/2.8	PG FLM	HSF	Canon Dec 2001	EF 16-35mm f/2.8L USM		Disc	2.19× Rotary	f/22	28cm 11.0 in 0.919 ft	0.28× 1:3.6	12.9×8.57cm 9.96×6.64cm 7.96×5.32cm	16.0–35.0mm 20.7–45.2mm 25.8–56.5mm	UW WA WA NO NO	107–63.4° 92.7–51.2° 79.9–41.9°	96.7–54.4° 82.2–43.5° 69.7–35.3°	73.7–37.8° 60.3–29.8° 49.9–24.0°	IF RUSM FTMF	14 E 10 G 7 BC	77mm RG	83.5mm 3.29 in	103mm 4.06 in	600g 21.16 oz 1.323 lb	EW-83E Included
16–50mm	f/2.8	HG APS		Tokina	AT-X 165 PRO DX		Disc	3.13× Rotary	f/22	30cm 11.8 in 0.984 ft	0.21× 1:4.88	N/A N/A 10.9×7.27cm	N/A N/A 25.8–80.7mm	N/A N/A WA MT	N/A N/A 79.9–30.0°	N/A N/A 69.7–25.1°	N/A N/A 49.9–16.9°	IF DC	15 E 12 G 9 B	77mm	84mm 3.31 in	97.4mm 3.83 in	610g 21.52 oz 1.345 lb	BH-777 Included
16.5–135mm	f/3.5–5.6	LG APS		Tokina	AT-X 16.5-135 DX		Disc	8.18× Rotary	f/22	50cm 19.7 in 1.64 ft	0.18× 1:5.43	N/A N/A 12.1×8.09cm	N/A N/A 26.6–218mm	N/A N/A WA TE	N/A N/A 78.2–11.3°	N/A N/A 68.1–9.44°	N/A N/A 48.6–6.32°	IF DC	15 E 9 G 9 B	77mm	84mm 3.31 in	78mm 3.07 in	610g 21.52 oz 1.345 lb	BH-777 Included
17–35mm	f/2.8	PG FLM	HSF	Canon Apr 1996	EF 17-35mm f/2.8L USM		Disc	2.06× Rotary	f/22	42cm 16.5 in 1.38 ft	0.11× 1:9.1	32.7×21.8cm 25.4×16.9cm 20.3×13.5cm	17.0–35.0mm 21.9–45.2mm 27.4–56.5mm	UW WA WA NO NO	104–63.4° 89.2–51.2° 76.5–41.9°	93.3–54.4° 78.7–43.5° 66.5–35.3°	70.4–37.8° 57.4–29.8° 47.3–24.0°	IF RUSM FTMF	15 E 10 G 7 B	77mm RG	83.5mm 3.29 in	95.7mm 3.77 in	545g 19.22 oz 1.202 lb	Included
17–35mm	f/2.8–4.0	HG DIG	HSF	Sigma	17-35mm F2.8-4 EX DG Aspherical HSM		Disc	2.06× Rotary	f/32–45	27cm 10.6 in 0.886 ft	0.22× 1:4.5	16.2×11.0cm 12.6×8.37cm 10.0×6.70cm	17.0–35.0mm 21.9–45.2mm 27.4–56.5mm	UW WA WA NO NO	104–63.4° 89.2–51.2° 76.5–41.9°	93.3–54.4° 78.7–43.5° 66.5–35.3°	70.4–37.8° 57.4–29.8° 47.3–24.0°	IF HSM	16 E 13 G 8 B	77mm	83.2mm 3.28 in	86.2mm 3.39 in	560g 19.75 oz 1.235 lb	Included
17–35mm	f/2.8–4.0	HG FLM	HSF	Sigma	17-35mm F2.8 EX Aspherical HSM		Disc	2.06× Rotary	f/32–45	50cm 19.7 in 1.64 ft	0.087× 1:11.5	41.4×27.6cm 32.1×21.4cm 25.6×17.1cm	17.0–35.0mm 21.9–45.2mm 27.4–56.5mm	UW WA WA NO NO	104–63.4° 89.2–51.2° 76.5–41.9°	93.3–54.4° 78.7–43.5° 66.5–35.3°	70.4–37.8° 57.4–29.8° 47.3–24.0°	IF HSM	15 E 14 G 8 B	82mm	89mm 3.50 in	83.5mm 3.29 in	400g 14.11 oz 0.882 lb	Included
17–35mm	f/2.8–4.0	HG DIG		Tamron	SP AF 17-35 F/2.8-4 Di LD Aspherical [IF]		Disc	2.06× Rotary	N/S	30cm 11.8 in 0.984 ft	0.19× 1:5.4	19.4×13.0cm 15.1×10.0cm 12.0×8.05cm	17.0–35.0mm 21.9–45.2mm 27.4–56.5mm	UW WA WA NO NO	104–63.4° 89.2–51.2° 76.5–41.9°	93.3–54.4° 78.7–43.5° 66.5–35.3°	70.4–37.8° 57.4–29.8° 47.3–24.0°	IF DC	14 E 11 G 7 B	77mm	83.2mm 3.28 in	86.5mm 3.41 in	440g 15.52 oz 0.970 lb	Included
17–35mm	f/4.0	HG FLM		Tokina	AT-X 17-35 F4 PRO FX		669	2.06× Rotary	f/22	28cm 11.0 in 0.919 ft	0.21× 1:4.82	17.4×11.6cm 13.4×8.97cm 10.7×7.18cm	17.0–35.0mm 21.9–45.2mm 27.4–56.5mm	UW WA WA NO NO	104–63.4° 89.2–51.2° 76.5–41.9°	93.3–54.4° 78.7–43.5° 66.5–35.3°	70.4–37.8° 57.4–29.8° 47.3–24.0°	DC	13 E 12 G 9 B	82mm	88.90mm 3.50 in	93.98mm 3.70 in	600g 21.16 oz 1.323 lb	BH-82 Included
17–40mm	f/4.0	PG FLM	HSF	Canon May 2003	EF 17-40mm f/4L USM		839	2.35× Rotary	f/22	28cm 11.0 in 0.919 ft	0.24× 1:4.2	15.0×10.0cm 11.6×7.75cm 9.29×6.21cm	17.0–40.0mm 21.9–51.6mm 27.4–64.5mm	UW WA WA NO NO	104–56.8° 89.2–45.5° 76.5–37.1°	93.3–48.5° 78.7–38.5° 66.5–31.2°	70.4–33.4° 57.4–26.2° 47.3–21.1°	IF RUSM FTMF	12 E 9 G 7 BC	77mm RG	83.5mm 3.29 in	96.8mm 3.81 in	475g 16.76 oz 1.047 lb	EW-83E Included

17–50mm

Zoom Lens Table

18–35mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
17–50mm	f/2.8	LG APS		Promaster	17-50mm F/2.8 Digital XR EDO Aspherical AF		Disc	2.94× Rotary	f/32	27cm 10.6 in 0.886 ft	0.22× 1:4.5	N/A N/A 10.0×6.70cm	N/A N/A 27.4–80.7mm	N/A N/A WA—MT	N/A N/A 76.5–30.0°	N/A N/A 66.5–25.1°	N/A N/A 47.3–16.9°	IF DC	16 E 13 G N/S	67mm	74mm 2.91 in	81.7mm 3.22 in	397g 14 oz 0.875 lb	Included
17–50mm	f/2.8	HG APS	HSF IS4	Sigma	17-50mm F2.8 EX DC OS HSM		669	2.94× Rotary	f/22	28cm 11.0 in 0.919 ft	0.20× 1:5	N/A N/A 11.6×7.45cm	N/A N/A 27.4–80.7mm	N/A N/A WA—MT	N/A N/A 76.5–30.0°	N/A N/A 66.5–25.1°	N/A N/A 47.3–16.9°	IF HSM	17 E 13 G 7 B	77mm	83.5mm 3.29 in	91.8mm 3.61 in	565g 19.93 oz 1.246 lb	LH825-03 Included
17–50mm	f/2.8	HG APS	IS	Tamron	SP AF 17-50mm F/2.8 XR Di-II VC LD Aspherical [IF]		649	2.94× Rotary	f/32	29cm 11.4 in 0.951 ft	0.21× 1:4.8	N/A N/A 10.7×7.15cm	N/A N/A 27.4–80.7mm	N/A N/A WA—MT	N/A N/A 76.5–30.0°	N/A N/A 66.5–25.1°	N/A N/A 47.3–16.9°	IF DC	19 E 14 G 7 BC	72mm	79.6mm 3.13 in	94.5mm 3.72 in	570g 20.11 oz 1.257 lb	Included
17–50mm	f/2.8	HG APS		Tamron	SP AF 17-50mm F/2.8 XR Di-II LD Aspherical [IF]		499	2.94× Rotary	f/32	27cm 10.6 in 0.886 ft	0.22× 1:4.5	N/A N/A 10.0×6.70cm	N/A N/A 27.4–80.7mm	N/A N/A WA—MT	N/A N/A 76.5–30.0°	N/A N/A 66.5–25.1°	N/A N/A 47.3–16.9°	IF DC	16 E 13 G 7 B	67mm	74.0mm 2.91 in	81.7mm 3.22 in	430g 15.17 oz 0.948 lb	Included
17–55mm	f/2.8	SG APS	HSF IS3	Canon May 2008	EF-S 17-55mm f/2.8 IS USM		1179	3.24× Rotary	f/22	35cm 13.8 in 1.15 ft	0.17× 1:5.9	N/A N/A 13.1×8.77cm	N/A N/A 27.4–88.7mm	N/A N/A WA—MT	N/A N/A 76.5–27.4°	N/A N/A 66.5–22.9°	N/A N/A 47.3–15.4°	IF RUSM FTMF	19 E 12 G 7 BC	77mm	83.5mm 3.29 in	110.6mm 4.35 in	645g 22.75 oz 1.422 lb	EW-83J Optional
17–70mm	f/2.8–4.0	LG APS	HSF IS4	Sigma	17-70mm F2.8-4 DC Macro OS HSM		349	4.12× Rotary	f/22	22cm 8.66 in 0.722 ft	0.37× 1:2.7	N/A N/A 6.02×4.02cm	N/A N/A 27.4–113mm	N/A N/A WA—MT	N/A N/A 76.5–21.7°	N/A N/A 66.5–18.1°	N/A N/A 47.3–12.2°	IF HSM	17 E 13 G 7 B	72mm	79mm 3.11 in	88.9mm 3.50 in	535g 18.87 oz 1.179 lb	Included
17–70mm	f/2.8–4.5	LG APS		Sigma	17-70mm F2.8-4.5 DC Macro		Disc	4.12× Rotary	f/22	20cm 7.87 in 0.656 ft	0.44× 1:2.3	N/A N/A 5.13×3.43cm	N/A N/A 27.4–113mm	N/A N/A WA—MT	N/A N/A 76.5–21.7°	N/A N/A 66.5–18.1°	N/A N/A 47.3–12.2°	IF DC	15 E 12 G 7 B	72mm	79mm 3.11 in	82.5mm 3.25 in	455g 16.05 oz 1.003 lb	Included
17–85mm	f/4.0–5.6	SG APS	HSF IS3	Canon Sep 2004	EF-S 17-85 f/4-5.6 IS USM		515	5.00× Rotary	f/22–32	35cm 13.8 in 1.15 ft	0.20× 1:5.0	N/A N/A 11.2×7.45cm	N/A N/A 27.4–137mm	N/A N/A WA—MT	N/A N/A 76.5–17.9°	N/A N/A 66.5–14.9°	N/A N/A 47.3–10.0°	IF RUSM FTMF	17 E 12 G 6 BC	67mm	78.5mm 3.09 in	92mm 3.62 in	475g 16.76 oz 1.047 lb	EW-73B Optional
18–35mm	f/3.5–4.5	LG APS		Quantaray	18-35mm F3.5-4.5 DC		Disc	1.94× Rotary	N/S	51.8cm 20.4 in 1.7 ft	0.083× 1:12	N/A N/A 26.8×17.9cm	N/A N/A 29.0–56.5mm	N/A N/A WA—NO	N/A N/A 73.4–41.9°	N/A N/A 63.6–35.3°	N/A N/A 45.0–24.0°	DC	N/S	82mm	N/S	76.2mm 3 in	283g 10 oz 0.625 lb	Optional

18–50mm

Zoom Lens Table

18–55mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
18–50mm	f/2.8	HG APS		Sigma	18-50mm F2.8 EX DC Macro		Disc	2.78× Rotary	f/22	20cm 7.87 in 0.656 ft	0.33× 1:3.0	N/A N/A 6.69×4.47cm	N/A N/A 29.0–80.7mm	N/A N/A WA—MT	N/A N/A 73.4–30.0°	N/A N/A 63.6–25.1°	N/A N/A 45.0–16.9°	IF DC	15 E 13 G 7 B	72mm	79mm 3.11 in	85.8mm 3.38 in	450g 15.87 oz 0.992 lb	LH780-04 Included
18–50mm	f/2.8	HG APS		Sigma	18-50mm F2.8 EX DC		Disc	2.78× Rotary	f/22	28cm 11.0 in 0.919 ft	0.20× 1:5	N/A N/A 11.6×7.45cm	N/A N/A 29.0–80.7mm	N/A N/A WA—MT	N/A N/A 73.4–30.0°	N/A N/A 63.6–25.1°	N/A N/A 45.0–16.9°	IF DC	15 E 13 G 7 B	67mm	74.1mm 2.92 in	84.1mm 3.31 in	445g 15.70 oz 0.981 lb	Included
18–50mm	f/2.8–4.5	LG APS	HSF IS4	Sigma	18-50mm F2.8-4.5 DC OS HSM		Disc	2.78× Rotary	f/22	30cm 11.8 in 0.984 ft	0.24× 1:4.1	N/A N/A 9.14×6.11cm	N/A N/A 29.0–80.7mm	N/A N/A WA—MT	N/A N/A 73.4–30.0°	N/A N/A 63.6–25.1°	N/A N/A 45.0–16.9°	IF HSM	16 E 12 G 7 B	67mm	74mm 2.91 in	88.6mm 3.49 in	395g 13.93 oz 0.871 lb	LH730-02 Included
18–50mm	f/3.5–5.6	LG APS		Sigma	18-50mm F3.5-5.6 DC		Disc	2.78× Rotary	f/22	25cm 9.84 in 0.820 ft	0.29× 1:3.5	N/A N/A 7.81×5.22cm	N/A N/A 29.0–80.7mm	N/A N/A WA—MT	N/A N/A 73.4–30.0°	N/A N/A 63.6–25.1°	N/A N/A 45.0–16.9°	FF DC	8 E 8 G 7 B	58mm	67.5mm 2.66 in	62mm 2.44 in	250g 8.82 oz 0.551 lb	LH630-02 Included
18–55mm	f/3.5–5.6	SG EFM	HSF IS4	Canon	EF-M 18-55mm f/3.5-5.6 IS STM		299	3.06× Rotary	f/22–38	25cm 9.84 in 0.820 ft	0.25× 1:4.0	N/A N/A 8.92×5.96cm	N/A N/A 29.0–88.7mm	N/A N/A WA—MT	N/A N/A 73.4–27.4°	N/A N/A 63.6–22.9°	N/A N/A 45.0–15.4°	IF STM FTMF	13 E 11 G N/S	52mm	60.9mm 2.40 in	61.0mm 2.40 in	210g 7.41 oz 0.463 lb	EW-54 Optional
18–55mm	f/3.5–5.6	CG APS	IS4	Canon	EF-S 18-55mm f/3.5-5.6 IS II		199	3.06× Rotary	f/22–38	25cm 9.84 in 0.820 ft	0.34× 1:2.9	N/A N/A 6.56×4.38cm	N/A N/A 29.0–88.7mm	N/A N/A WA—MT	N/A N/A 73.4–27.4°	N/A N/A 63.6–22.9°	N/A N/A 45.0–15.4°	FRE MM	11 E 9 G 6 BC	58mm	68.5mm 2.70 in	84.5mm 3.33 in	200g 7.05 oz 0.441 lb	EW-60C Optional
18–55mm	f/3.5–5.6	CG APS	IS4	Canon Aug 2007	EF-S 18-55mm f/3.5-5.6 IS		Disc	3.06× Rotary	f/22–38	25cm 9.84 in 0.820 ft	0.34× 1:2.9	N/A N/A 6.56×4.38cm	N/A N/A 29.0–88.7mm	N/A N/A WA—MT	N/A N/A 73.4–27.4°	N/A N/A 63.6–22.9°	N/A N/A 45.0–15.4°	FRE MM	11 E 9 G 6 BC	58mm	68.5mm 2.70 in	70mm 2.76 in	200g 7.05 oz 0.441 lb	EW-60C Optional
18–55mm	f/3.5–5.6	CG APS	HSF	Canon Mar 2005	EF-S 18-55mm f/3.5-5.6 II USM		Disc	3.06× Rotary	f/22–38	28cm 11.0 in 0.919 ft	0.28× 1:3.6	N/A N/A 7.96×5.32cm	N/A N/A 29.0–88.7mm	N/A N/A WA—MT	N/A N/A 73.4–27.4°	N/A N/A 63.6–22.9°	N/A N/A 45.0–15.4°	FRE MUSM	11 E 9 G 6 BC	58mm	68.5mm 2.70 in	66mm 2.60 in	190g 6.70 oz 0.419 lb	EW-60C Optional
18–55mm	f/3.5–5.6	CG APS	HSF	Canon Sep 2004	EF-S 18-55mm f/3.5-5.6 USM		Disc	3.06× Rotary	f/22–38	28cm 11.0 in 0.919 ft	0.28× 1:3.6	N/A N/A 7.96×5.32cm	N/A N/A 29.0–88.7mm	N/A N/A WA—MT	N/A N/A 73.4–27.4°	N/A N/A 63.6–22.9°	N/A N/A 45.0–15.4°	FRE MUSM	11 E 9 G 6 BC	58mm	68.5mm 2.70 in	66.2mm 2.61 in	190g 6.70 oz 0.419 lb	EW-60C Optional
18–55mm	f/3.5–5.6	CG APS		Canon Sep 2004	EF-S 18-55mm f/3.5-5.6		Disc	3.06× Rotary	f/22–38	28cm 11.0 in 0.919 ft	0.28× 1:3.6	N/A N/A 7.96×5.32cm	N/A N/A 29.0–88.7mm	N/A N/A WA—MT	N/A N/A 73.4–27.4°	N/A N/A 63.6–22.9°	N/A N/A 45.0–15.4°	FRE MM	11 E 9 G 6 BC	58mm	68.5mm 2.70 in	66mm 2.60 in	190g 6.70 oz 0.419 lb	EW-60C Optional

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
18–125mm	f/3.5–5.6	LG APS		Sigma	18-125mm F3.5-5.6 DC		Disc	6.94× Rotary	f/22	50cm 19.7 in 1.64 ft	0.19× 1:5.3	N/A N/A 11.6×7.75cm	N/A N/A 29.0–202mm	N/A N/A WA–TE	N/A N/A 73.4–12.4°	N/A N/A 63.6–10.2°	N/A N/A 45.0–6.82°	FF DC	15 E 14 G 7 B	62mm	70mm 2.76 in	77.7mm 3.06 in	385g 13.58 oz 0.849 lb	Included
18–125mm	f/3.8–5.6	LG APS	HSF IS4	Sigma	18-125mm F3.8-5.6 DC OS HSM		Disc	6.94× Rotary	f/22	35cm 13.8 in 1.15 ft	0.26× 1:3.8	N/A N/A 8.47×5.66cm	N/A N/A 29.0–202mm	N/A N/A WA–TE	N/A N/A 73.4–12.4°	N/A N/A 63.6–10.2°	N/A N/A 45.0–6.82°	IF HSM	16 E 12 G 7 B	67mm	74mm 2.91 in	88.5mm 3.48 in	505g 17.81 oz 1.113 lb	LH730-02 Included
18–135mm	f/3.5–5.6	CG APS	HSF IS4	Canon	EF-S 18-135mm f/3.5-5.6 IS STM		489	7.50× Rotary	f/22–38	39cm 15.4 in 1.28 ft	0.28× 1:3.6	N/A N/A 7.96×5.32cm	N/A N/A 29.0–218mm	N/A N/A WA–TE	N/A N/A 73.4–11.3°	N/A N/A 63.6–9.44°	N/A N/A 45.0–6.32°	IF STM FTMF	16 E 12 G 7 BC	67mm	76.6mm 3.02 in	96.0mm 3.78 in	480g 16.93 oz 1.058 lb	EW-73B Optional
18–135mm	f/3.5–5.6	CG APS	IS4	Canon Oct 2009	EF-S 18-135mm f/3.5-5.6 IS		499	7.50× Rotary	f/22–38	45cm 17.7 in 1.48 ft	0.21× 1:4.8	N/A N/A 10.6×7.10cm	N/A N/A 29.0–218mm	N/A N/A WA–TE	N/A N/A 73.4–11.3°	N/A N/A 63.6–9.44°	N/A N/A 45.0–6.32°	IF MM	16 E 12 G 6 BC	67mm	75.4mm 2.97 in	101mm 3.98 in	455g 16.05 oz 1.003 lb	EW-73B Optional
18–200mm	f/3.5–5.6	CG APS	IS4	Canon Sep 2008	EF-S 18-200mm f/3.5-5.6 IS		699	11.1× Rotary	f/22–38	45cm 17.7 in 1.48 ft	0.24× 1:4.2	N/A N/A 9.29×6.21cm	N/A N/A 29.0–323mm	N/A N/A WA–LT	N/A N/A 73.4–7.67°	N/A N/A 63.6–6.38°	N/A N/A 45.0–4.27°	IF MM	16 E 12 G 6 BC	72mm	78.6mm 3.09 in	102mm 4.02 in	595g 20.99 oz 1.312 lb	EW-78D Optional
18–200mm	f/3.5–6.3	LG APS		Promaster	18-200mm F/3.5-5.6 Digital XR EDO Aspherical AF		Disc	11.1× Rotary	f/22	45cm 17.7 in 1.48 ft	0.27× 1:3.7	N/A N/A 8.25×5.51cm	N/A N/A 29.0–323mm	N/A N/A WA–LT	N/A N/A 73.4–7.67°	N/A N/A 63.6–6.38°	N/A N/A 45.0–4.27°	IF DC	15 E 13 G N/S	62mm	73.8mm 2.91 in	83.7mm 3.30 in	397g 14.0 oz 0.875 lb	Included
18–200mm	f/3.5–6.3	LG APS	HSF IS4	Sigma	18-200mm F3.5-6.3 II DC OS HSM		499	11.1× Rotary	f/22	45cm 17.7 in 1.48 ft	0.26× 1:3.8	N/A N/A 8.47×5.66cm	N/A N/A 29.0–323mm	N/A N/A WA–LT	N/A N/A 73.4–7.67°	N/A N/A 63.6–6.38°	N/A N/A 45.0–4.27°	IF HSM	18 E 14 G 7 B	62mm	75.3mm 2.96 in	87.7mm 3.45 in	N/S	LH680-01 Included
18–200mm	f/3.5–6.3	LG APS	IS4	Sigma Quantaray	18-200 F3.5-6.3 DC OS		Disc	11.1× Rotary	f/22	45cm 17.7 in 1.48 ft	0.26× 1:3.9	N/A N/A 8.70×5.81cm	N/A N/A 29.0–323mm	N/A N/A WA–LT	N/A N/A 73.4–7.67°	N/A N/A 63.6–6.38°	N/A N/A 45.0–4.27°	IF DC	18 E 13 G 7 B	72mm	79mm 3.11 in	100mm 3.94 in	610g 21.52 oz 1.345 lb	Included
18–200mm	f/3.5–6.3	LG APS		Sigma Quantaray	18-200 F3.5-6.3 DC		Disc	11.1× Rotary	f/22	45cm 17.7 in 1.48 ft	0.23× 1:4.4	N/A N/A 9.81×6.56cm	N/A N/A 29.0–323mm	N/A N/A WA–LT	N/A N/A 73.4–7.67°	N/A N/A 63.6–6.38°	N/A N/A 45.0–4.27°	IF DC	15 E 13 G 7 B	62mm	70mm 2.76 in	78.1mm 3.07 in	405g 14.29 oz 0.893 lb	Included
18–200mm	f/3.5–6.3	LG APS		Tamron	AF 18-200mm F/3.5-6.3 XR Di-II LD Aspherical [IF] Macro		299	11.1× Rotary	f/22	45cm 17.7 in 1.48 ft	0.27× 1:3.7	N/A N/A 8.25×5.51cm	N/A N/A 29.0–323mm	N/A N/A WA–LT	N/A N/A 73.4–7.67°	N/A N/A 63.6–6.38°	N/A N/A 45.0–4.27°	IF DC	15 E 13 G 7 B	62mm	73.8mm 2.91 in	83.7mm 3.30 in	405g 14.29 oz 0.893 lb	Included

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
18–250mm	f/3.5–6.3	LG APS	HSF IS4	Sigma	18-250mm F3.5-6.3 DC Macro OS HSM		549	13.9× Rotary	f/22	35cm 13.8 in 1.15 ft	0.35× 1:2.9	N/A N/A 6.47×4.32cm	N/A N/A 29.0–403mm	N/A N/A WA-LT	N/A N/A 73.4–6.14°	N/A N/A 63.6–5.11°	N/A N/A 45.0–3.41°	IF HSM	16 E 13 G 7 BC	62mm	73.5mm 2.89 in	88.6mm 3.49 in	470g 16.58 oz 1.036 lb	LH680-04 Included
18–250mm	f/3.5–6.3	LG APS	HSF IS4	Sigma	18-250mm F3.5-6.3 DC OS HSM		Disc	13.9× Rotary	f/22	45cm 17.7 in 1.48 ft	0.29× 1:3.4	N/A N/A 7.58×5.07cm	N/A N/A 29.0–403mm	N/A N/A WA-LT	N/A N/A 73.4–6.14°	N/A N/A 63.6–5.11°	N/A N/A 45.0–3.41°	IF HSM	18 E 14 G 7 B	72mm	79mm 3.11 in	101mm 3.98 in	630g 22.22 oz 1.389 lb	LH780-04 Included
18–250mm	f/3.5–6.3	LG APS	IS4	Sigma	18-250mm F3.5-6.3 DC OS		429	13.9× Rotary	f/22	45cm 17.7 in 1.48 ft	0.29× 1:3.4	N/A N/A 7.58×5.07cm	N/A N/A 29.0–403mm	N/A N/A WA-LT	N/A N/A 73.4–6.14°	N/A N/A 63.6–5.11°	N/A N/A 45.0–3.41°	IF DC	18 E 14 G 7 B	72mm	79mm 3.11 in	101mm 3.98 in	630g 22.22 oz 1.389 lb	LH780-04 Included
18–250mm	f/3.5–6.3	LG APS		Tamron	AF 18-250mm F/3.5-6.3 Di-II LD Aspherical [IF] Macro		Disc	13.9× Rotary	f/22	45cm 17.7 in 1.48 ft	0.29× 1:3.5	N/A N/A 7.81×5.22cm	N/A N/A 29.0–403mm	N/A N/A WA-LT	N/A N/A 73.4–6.14°	N/A N/A 63.6–5.11°	N/A N/A 45.0–3.41°	IF DC	16 E 13 G 7 B	62mm	74.4mm 2.93 in	84.3mm 3.32 in	430g 15.17 oz 0.948 lb	Included
18–270mm	f/3.5–6.3	LG APS	HSF IS	Tamron	AF 18-270mm F/3.5-6.3 Di-II VC PZD		649	15.0× Rotary	f/22	49cm 19.3 in 1.61 ft	0.26× 1:3.8	N/A N/A 8.47×5.66cm	N/A N/A 29.0–436mm	N/A N/A WA-LT	N/A N/A 73.4–5.69°	N/A N/A 63.6–4.73°	N/A N/A 45.0–3.16°	IF PZD	16 E 13 G 7 B	62mm	74.4mm 2.93 in	96.4mm 3.80 in	450g 15.87 oz 0.992 lb	Included
18–270mm	f/3.5–6.3	LG APS	IS	Tamron	AF 18-270mm F/3.5-6.3 Di-II VC LD Aspherical [IF] Macro		Disc	15.0× Rotary	f/22–40	49cm 19.3 in 1.61 ft	0.29× 1:3.5	N/A N/A 7.81×5.22cm	N/A N/A 29.0–436mm	N/A N/A WA-LT	N/A N/A 73.4–5.69°	N/A N/A 63.6–4.73°	N/A N/A 45.0–3.16°	IF DC	18 E 13 G 7 B	72mm	79.6mm 3.13 in	101.0mm 3.98 in	550g 19.40 oz 1.213 lb	Included
19–35mm	f/3.5–4.5	LG FLM		Quantaray	19-35mm F3.5-4.5		Disc	1.84× Rotary	f/22	40cm 15.8 in 1.31 ft	N/S	N/C	19.0–35.0mm 24.5–45.2mm 30.7–56.5mm	WA-WA WA-NO WA-NO	97.4–63.4° 82.9–51.2° 70.4–41.9°	86.9–54.4° 72.6–43.5° 60.8–35.3°	64.6–37.8° 52.2–29.8° 42.8–24.0°	IF DC	13 E 11 G 6 B	77mm	81.3mm 3.2 in	76.2mm 3.0 in	390g 13.76 oz 0.860 lb	Optional
19–35mm	f/3.5–4.5	LG FLM		Phoenix Promaster Vivitar	AF 19-35mm f:3.5-4.5		Disc	1.84× Rotary	f/22	50.0cm 19.7 in 1.64 ft	N/S	N/C	19.0–35.0mm 24.5–45.2mm 30.7–56.5mm	WA-WA WA-NO WA-NO	97.4–63.4° 82.9–51.2° 70.4–41.9°	86.9–54.4° 72.6–43.5° 60.8–35.3°	64.6–37.8° 52.2–29.8° 42.8–24.0°	IF DC	13 E 11 G N/S	77mm	63.5mm 2.50 in	76.2mm 3.00 in	314.7g 11.10 oz 0.694 lb	Included
19–35mm	f/3.5–4.5	LG FLM		Tamron	AF 19-35mm F/3.5-4.5		Disc	1.84× Rotary	f/22	50cm 19.7 in 1.64 ft	0.083× 1:12	43.2×28.8cm 33.5×22.3cm 26.8×17.9cm	19.0–35.0mm 24.5–45.2mm 30.7–56.5mm	WA-WA WA-NO WA-NO	97.4–63.4° 82.9–51.2° 70.4–41.9°	86.9–54.4° 72.6–43.5° 60.8–35.3°	64.6–37.8° 52.2–29.8° 42.8–24.0°	IF DC	13 E 11 G 9 B	77mm	83.2mm 3.28 in	67.7mm 2.67 in	317g 11.18 oz 0.699 lb	Included

20–35mm

Zoom Lens Table

24–70mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
20–35mm	f/2.8	PG FLM	HSF	Canon Oct 1989	EF 20-35mm f/2.8L USM		Disc	1.75× Rotary	f/32	50cm 19.7 in 1.64 ft	0.09× 1:11	40.0×26.7cm 31.0×20.7cm 24.8×16.6cm	20.0–35.0mm 25.8–45.2mm 32.3–56.5mm	WA WA WA NO NO	94.5–63.4° 79.9–51.2° 67.7–41.9°	84.0–54.4° 69.8–43.5° 58.3–35.3°	61.9–37.8° 49.9–29.8° 40.9–24.0°	IF RUSM FTMF	15 E 12 G 8 B	72mm	89mm 3.50 in	79.2mm 3.12 in	570g 20.11 oz 1.257 lb	Included
20–35mm	f/2.8	HG FLM		Tokina	AT-X 235 AF PRO		Disc	1.75× Rotary	f/22	52cm 20.5 in 1.71 ft	N/S	N/C	20.0–35.0mm 25.8–45.2mm 32.3–56.5mm	WA WA WA NO NO	94.5–63.4° 79.9–51.2° 67.7–41.9°	84.0–54.4° 69.8–43.5° 58.3–35.3°	61.9–37.8° 49.9–29.8° 40.9–24.0°	DC	15 E 11 G 8 B	77mm	83.8mm 3.30 in	85.5mm 3.37 in	585g 20.64 oz 1.290 lb	Included
20–35mm	f/3.5–4.5	SG FLM	HSF	Canon Mar 1993	EF 20-35mm f/3.5-4.5 USM		Disc	1.75× Rotary	f/22– 27	34cm 13.4 in 1.12 ft	0.13× 1:7.7	27.7×18.5cm 21.5×14.3cm 17.2×11.5cm	20.0–35.0mm 25.8–45.2mm 32.3–56.5mm	WA WA WA NO NO	94.5–63.4° 79.9–51.2° 67.7–41.9°	84.0–54.4° 69.8–43.5° 58.3–35.3°	61.9–37.8° 49.9–29.8° 40.9–24.0°	IF RUSM FTMF	12 E 11 G 5 B	77mm	83.5mm 3.29 in	68.9mm 2.71 in	340g 11.99 oz 0.750 lb	EW-83II Optional
20–40mm	f/2.8	HG DIG		Sigma	20-40mm F2.8 EX DG		Disc	2.00× Rotary	f/22	30cm 11.8 in 0.984 ft	0.22× 1:4.6	16.6×11.0cm 12.8×8.56cm 10.3×6.85cm	20.0–40.0mm 25.8–51.6mm 32.3–64.5mm	WA WA WA NO NO	94.5–56.8° 79.9–45.5° 67.7–37.1°	84.0–48.5° 69.8–38.5° 58.3–31.2°	61.9–33.4° 49.9–26.2° 40.9–21.1°	IF DC	17 E 13 G 9 B	82mm	89mm 3.50 in	107.8mm 4.24 in	595g 20.99 oz 1.312 lb	LH875-02 Included
22–55mm	f/4.0–5.6	CG FLM	HSF	Canon Mar 1998	EF 22-55mm f/4-5.6 USM		Disc	2.50× Rotary	f/22– 32	35cm 13.8 in 1.15 ft	0.20× 1:5.0	18.0×12.0cm 14.0×9.30cm 11.2×7.45cm	22.0–55.0mm 28.4–71.0mm 35.5–88.7mm	WA WA NO NO MT MT	89.0–42.9° 74.6–33.9° 62.7–27.4°	78.6–36.2° 64.8–28.5° 53.8–22.9°	57.2–24.6° 45.8–19.2° 37.4–15.4°	FRE MUSM	9 E 9 G 5 B	58mm	66.0mm 2.60 in	59.4mm 2.34 in	175g 6.17 oz 0.386 lb	EW-60D Optional
24–60mm	f/2.8	HG DIG		Sigma	24-60mm F2.8 EX DG		Disc	2.50× Rotary	f/22	38cm 15.0 in 1.25 ft	0.17× 1:5.8	20.9×13.9cm 16.2×10.8cm 12.9×8.64cm	24.0–60.0mm 31.0–77.4mm 38.7–96.8mm	WA WA NO NO MT MT	84.1–39.7° 69.9–31.2° 58.4–25.2°	73.7–33.4° 60.3–26.2° 49.8–21.1°	53.1–22.6° 42.4–17.6° 34.5–14.2°	IF DC	16 E 15 G 9 B	77mm	83.6mm 3.29 in	87.2mm 3.43 in	550g 19.40 oz 1.213 lb	LH825-03 Included
24–70mm	f/2.8	PG FLM	HSF	Canon	EF 24-70mm f/2.8L II USM		2299	2.92× Rotary	f/22	38cm 15.0 in 1.25 ft	0.21× 1:4.8	17.1×11.4cm 13.3×8.86cm 10.6×7.10cm	24.0–70.0mm 31.0–90.3mm 38.7–113mm	WA WA NO MT MT MT	84.1–34.3° 69.9–26.9° 58.4–21.7°	73.7–28.8° 60.3–22.5° 49.8–18.1°	53.1–19.5° 42.4–15.1° 34.5–12.2°	IF RUSM FTMF	18 E 13 G 9 BC	82mm	88.5mm 3.48 in	113mm 4.45 in	805g 28.40 oz 1.775 lb	EW-88C Included
24–70mm	f/2.8	PG FLM	HSF	Canon Nov 2002	EF 24-70mm f/2.8L USM		Disc	2.92× Rotary	f/22	38cm 15.0 in 1.25 ft	0.29× 1:3.4	12.4×8.28cm 9.62×6.41cm 7.69×5.14cm	24.0–70.0mm 31.0–90.3mm 38.7–113mm	WA WA NO MT MT MT	84.1–34.3° 69.9–26.9° 58.4–21.7°	73.7–28.8° 60.3–22.5° 49.8–18.1°	53.1–19.5° 42.4–15.1° 34.5–12.2°	IF RUSM FTMF	16 E 13 G 8 BC	77mm	83.2mm 3.28 in	123.5mm 4.86 in	950g 33.51 oz 2.094 lb	EW-83F Included
24–70mm	f/2.8	HG DIG	HSF	Sigma	24-70mm F2.8 IF EX DG HSM		899	2.92× Rotary	f/22	38cm 15.0 in 1.25 ft	0.19× 1:5.3	18.7×12.5cm 14.5×9.67cm 11.6×7.75cm	24.0–70.0mm 31.0–90.3mm 38.7–113mm	WA WA NO MT MT MT	84.1–34.3° 69.9–26.9° 58.4–21.7°	73.7–28.8° 60.3–22.5° 49.8–18.1°	53.1–19.5° 42.4–15.1° 34.5–12.2°	IF HSM FTMF	14 E 12 G 9 B	82mm	86.6mm 3.41 in	94.7mm 3.73 in	790g 27.87 oz 1.742 lb	LH876-01 Included
24–70mm	f/2.8	HG DIG		Sigma	24-70mm F2.8 EX DG Macro DF		Disc	2.92× Rotary	f/32	40cm 15.8 in 1.31 ft	0.26× 1:3.8	13.7×9.12cm 10.6×7.07cm 8.47×5.66cm	24.0–70.0mm 31.0–90.3mm 38.7–113mm	WA WA NO MT MT MT	84.1–34.3° 69.9–26.9° 58.4–21.7°	73.7–28.8° 60.3–22.5° 49.8–18.1°	53.1–19.5° 42.4–15.1° 34.5–12.2°	IF DC	14 E 13 G 9 B	82mm	88.7mm 3.49 in	115.5mm 4.55 in	715g 25.22 oz 1.576 lb	LH875-02 Included

24–70mm

Zoom Lens Table

28–70mm

Focal Length	Max Aper	Grade Use	Notes	Manuf	Designation	Image	Price	Zoom	Min Aper	Min Focus	Max Mag	Minimum Field Size	35mm EqFL	AoV Range	Diag AoV	Longer AoV	Shorter AoV	Focus	Const	Filter	Diameter	Length	Weight	Hood
24–70mm	f/2.8	HG DIG	HSF IS	Tamron	SP AF 24-70mm F/2.8 Di VC USD		1299	2.92× Rotary	f/22	38cm 15.0 in 1.25 ft	0.20× 1:5	18.0×12.0cm 14.0×9.30cm 11.6×7.45cm	24.0–70.0mm 31.0–90.3mm 38.7–113mm	WA WA NO MT MT MT	84.1–34.3° 69.9–26.9° 58.4–21.7°	73.7–28.8° 60.3–22.5° 49.8–18.1°	53.1–19.5° 42.4–15.1° 34.5–12.2°	IF USD	17 E 12 G 9 BC	82mm	88.2mm 3.47 in	108.5mm 4.27 in	825g 28.10 oz 1.819 lb	Included
24–70mm	f/3.5–5.6	LG FLM		Sigma	24-70mm F3.5-5.6 Aspherical HF		Disc	2.92× Rotary	f/22	40cm 15.8 in 1.31 ft	0.22× 1:4.6	16.6×11.0cm 12.8×8.56cm 10.3×6.85cm	24.0–70.0mm 31.0–90.3mm 38.7–113mm	WA WA NO MT MT MT	84.1–34.3° 69.9–26.9° 58.4–21.7°	73.7–28.8° 60.3–22.5° 49.8–18.1°	53.1–19.5° 42.4–15.1° 34.5–12.2°	IF DC	9 E 7 G 8 B	62mm	69.5mm 2.74 in	76.4mm 3.01 in	285g 10.05 oz 0.628 lb	Included
24–70mm	f/4.0	PG FLM	HSF IS4	Canon	EF 24-70mm f/4L IS USM		1499	2.92× Rotary	f/22	38cm 15.0 in 1.25 ft	0.70× 1:1.4	5.14×3.43cm 3.99×2.66cm 3.19×2.13cm	24.0–70.0mm 31.0–90.3mm 38.7–113mm	WA WA NO MT MT MT	84.1–34.3° 69.9–26.9° 58.4–21.7°	73.7–28.8° 60.3–22.5° 49.8–18.1°	53.1–19.5° 42.4–15.1° 34.5–12.2°	IF RUSM FTMF	15 E 12 G 9 BC	77mm	83.4mm 3.28 in	93mm 3.66 in	600g 21.16 oz 1.323 lb	EW-83L Included
24–85mm	f/3.5–4.5	SG FLM	HSF	Canon Sep 1996	EF 24-85mm f/3.5-4.5 USM		Disc	3.54× Rotary	f/22– 32	50cm 19.7 in 1.64 ft	0.16× 1:6.3	21.2×14.1cm 16.4×10.9cm 13.1×8.77cm	24.0–85.0mm 31.0–110mm 38.7–137mm	WA WA NO MT MT MT	84.1–28.6° 69.9–22.3° 58.4–17.9°	73.7–23.9° 60.3–18.6° 49.8–14.9°	53.1–16.1° 42.4–12.5° 34.5–10.0°	IF RUSM FTMF	15 E 12 G 6 B	67mm	73mm 2.87 in	69.5mm 2.74 in	380g 13.40 oz 0.838 lb	EW-73II Optional
24–105mm	f/4.00	PG DIG	HSF IS3	Canon Oct 2005	EF 24-105mm f/4L IS USM		1149	4.38× Rotary	f/22	45cm 17.7 in 1.48 ft	0.23× 1:4.3	15.7×10.4cm 12.1×8.09cm 9.70×6.48cm	24.0–105mm 31.0–135mm 38.7–169mm	WA WA NO MT MT TE	84.1–23.3° 69.9–18.1° 58.4–14.6°	73.7–19.5° 60.3–15.1° 49.8–12.1°	53.1–13.0° 42.4–10.1° 34.5–8.12°	IF RUSM FTMF	18 E 13 G 8 B	77mm	83.5mm 3.29 in	107mm 4.21 in	670g 23.63 oz 1.477 lb	EW-83H Included
24–135mm	f/2.8–4.5	LG FLM		Sigma	24-135mm F2.8-4.5 Aspherical IF		Disc	5.63× Rotary	f/32	50cm 19.7 in 1.64 ft	0.22× 1:4.5	16.2×11.0cm 12.6×8.37cm 10.0×6.70cm	24.0–135mm 31.0–174mm 38.7–218mm	WA WA NO MT TE TE	84.1–18.2° 69.9–14.2° 58.4–11.3°	73.7–15.2° 60.3–11.8° 49.8–9.44°	53.1–10.2° 42.4–7.88° 34.5–6.32°	IF DC	16 E 15 G 9 B	77mm	83.6mm 3.29 in	90.9mm 3.58 in	530g 18.70 oz 1.168 lb	Included
24–135mm	f/3.5–5.6	HG FLM		Tamron	SP AF 24-135 F/3.5-5.6 AD Aspherical [IF]		Disc	5.63× Rotary	f/22	40cm 15.8 in 1.31 ft	0.30× 1:3.3	11.9×8.00cm 9.21×6.14cm 7.36×4.92cm	24.0–135mm 31.0–174mm 38.7–218mm	WA WA NO MT TE TE	84.1–18.2° 69.9–14.2° 58.4–11.3°	73.7–15.2° 60.3–11.8° 49.8–9.44°	53.1–10.2° 42.4–7.88° 34.5–6.32°	IF DC	14 E 10 G 7 B	72mm	78.5mm 3.09 in	80.6mm 3.17 in	530g 18.70 oz 1.168 lb	Included
24–200mm	f/3.5–5.6	LG FLM		Tokina	AT-X 242 AF		Disc	8.33× Rotary	f/22	80cm 31.5 in 2.63 ft	0.17× 1:6	21.6×14.0cm 16.7×11.2cm 13.4×8.94cm	24.0–200mm 31.0–258mm 38.7–323mm	WA WA NO TE TE LT	84.1–12.3° 69.9–9.58° 58.4–7.67°	73.7–10.3° 60.3–7.98° 49.8–6.38°	53.1–6.87° 42.4–5.32° 34.5–4.27°	DC	15 E 13 G N/S	72mm	81.8mm 3.22 in	89.0mm 3.50 in	690g 24.34 oz 1.521 lb	Included