

Hyperfocal Distance Chart

(in feet) for sensor 36 x 24 mm, Crop 1, CoC 0.03 mm

Lens	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/64
3 mm	0.99	0.71	0.5	0.36	0.26	0.18	0.13	0.097	0.071	0.053	0.041	0.032
4 mm	1.76	1.25	0.89	0.63	0.45	0.32	0.23	0.17	0.12	0.09	0.068	0.052
5 mm	2.75	1.95	1.38	0.98	0.7	0.5	0.36	0.26	0.19	0.14	0.1	0.077
6 mm	3.96	2.8	1.99	1.41	1	0.72	0.51	0.37	0.27	0.19	0.14	0.11
7 mm	5.38	3.81	2.7	1.92	1.36	0.97	0.69	0.5	0.36	0.26	0.19	0.14
8 mm	7.02	4.97	3.53	2.5	1.78	1.26	0.9	0.64	0.46	0.34	0.24	0.18
9 mm	8.89	6.29	4.46	3.16	2.24	1.6	1.14	0.81	0.58	0.42	0.31	0.23
10 mm	11	7.76	5.5	3.9	2.77	1.97	1.4	0.1	0.72	0.52	0.37	0.27
11 mm	13.3	9.39	6.65	4.71	3.34	2.37	1.69	1.21	0.86	0.62	0.45	0.33
12 mm	15.8	11.2	7.91	5.61	3.98	2.82	2.01	1.43	1.02	0.74	0.53	0.39
14 mm	21.5	15.2	10.8	7.62	5.4	3.83	2.72	1.94	1.39	0.99	0.72	0.52
15 mm	24.7	17.4	12.4	8.75	6.2	4.4	3.12	2.22	1.59	1.14	0.82	0.59
16 mm	28	19.8	14	9.95	7.05	5	3.55	2.53	1.8	1.29	0.93	0.67
17 mm	31.7	22.4	15.9	11.2	7.96	5.64	4.01	2.85	2.03	1.45	1.04	0.75
18 mm	35.5	25.1	17.8	12.6	8.92	6.32	4.49	3.19	2.27	1.62	1.17	0.84
19 mm	39.5	28	19.8	14	9.93	7.04	5	3.55	2.53	1.81	1.3	0.93
20 mm	43.8	31	21.9	15.5	11	7.8	5.53	3.93	2.8	2	1.43	1.03
21 mm	48.3	34.2	24.2	17.1	12.1	8.59	6.1	4.33	3.08	2.2	1.58	1.13
24 mm	63.1	44.6	31.6	22.3	15.8	11.2	7.95	5.65	4.02	2.86	2.05	1.47
28 mm	85.8	60.7	43	30.4	21.5	15.2	10.8	7.67	5.45	3.88	2.77	1.99
35 mm	134	94.8	67.1	47.5	33.6	23.8	16.9	12	8.49	6.03	4.3	3.07
40 mm	175	124	87.6	62	43.9	31.1	22	15.6	11.1	7.86	5.6	4
45 mm	222	157	111	78.4	55.5	39.3	27.8	19.7	14	9.93	7.07	5.04
50 mm	274	193	137	96.8	68.5	48.5	34.3	24.3	17.2	12.2	8.71	6.2
55 mm	331	234	166	117	82.9	58.7	41.5	29.4	20.9	14.8	10.5	7.49
60 mm	394	279	197	139	98.6	69.8	49.4	35	24.8	17.6	12.5	8.9
70 mm	536	379	268	190	134	94.9	67.2	47.6	33.7	23.9	17	12.1
85 mm	790	559	395	280	198	140	99	70.1	49.7	35.2	25	17.7
105 mm	1210	853	603	427	302	213	151	107	75.7	53.6	38	27
135 mm	1990	1410	997	705	499	353	250	177	125	88.5	62.7	44.5
150 mm	2460	1740	1230	870	616	435	308	218	154	109	77.4	54.9
200 mm	4370	3090	2190	1550	1090	774	547	387	274	194	137	97.3
300 mm	9840	6960	4920	3480	2460	1740	1230	871	616	436	309	218

If focused at In_flinity, Depth of Field extends back to Hpyerfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity

Hyperfocal Distance Chart

(in feet) for sensor 24 x 16 mm, Crop 1.5, CoC 0.02 mm

Lens	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/64
3 mm	1.49	1.05	0.75	0.53	0.38	0.27	0.19	0.14	0.1	0.075	0.056	0.042
4 mm	2.64	1.87	1.33	0.94	0.67	0.48	0.34	0.25	0.18	0.13	0.095	0.071
5 mm	4.12	2.92	2.07	1.47	1.04	0.74	0.53	0.38	0.27	0.2	0.14	0.11
6 mm	5.92	4.19	2.97	2.11	1.5	1.06	0.76	0.54	0.39	0.28	0.2	0.15
7 mm	8.06	5.71	4.04	2.86	2.03	1.44	1.03	0.73	0.53	0.38	0.27	0.2
8 mm	10.5	7.45	5.27	3.74	2.65	1.88	1.34	0.95	0.68	0.49	0.35	0.26
9 mm	13.3	9.42	6.67	4.73	3.35	2.38	1.69	1.2	0.86	0.62	0.44	0.32
10 mm	16.4	11.6	8.23	5.83	4.13	2.93	2.08	1.48	1.06	0.76	0.55	0.4
11 mm	19.9	14.1	9.96	7.05	5	3.54	2.52	1.79	1.28	0.91	0.66	0.47
12 mm	23.7	16.7	11.8	8.39	5.94	4.21	2.99	2.13	1.52	1.08	0.78	0.56
14 mm	32.2	22.8	16.1	11.4	8.08	5.73	4.06	2.89	2.06	1.47	1.05	0.76
15 mm	37	26.1	18.5	13.1	9.28	6.57	4.66	3.31	2.36	1.68	1.2	0.86
16 mm	42	29.7	21	14.9	10.5	7.48	5.3	3.76	2.68	1.91	1.36	0.98
17 mm	47.5	33.6	23.8	16.8	11.9	8.44	5.98	4.25	3.02	2.15	1.54	1.1
18 mm	53.2	37.6	26.6	18.8	13.3	9.45	6.7	4.76	3.38	2.41	1.72	1.23
19 mm	59.3	41.9	29.7	21	14.9	10.5	7.46	5.3	3.76	2.68	1.91	1.37
20 mm	65.7	46.5	32.9	23.3	16.5	11.7	8.27	5.86	4.17	2.97	2.12	1.52
21 mm	72.4	51.2	36.2	25.6	18.2	12.9	9.11	6.46	4.59	3.27	2.33	1.67
24 mm	94.6	66.9	47.3	33.5	23.7	16.8	11.9	8.43	5.98	4.25	3.03	2.17
28 mm	129	91	64.4	45.6	32.2	22.8	16.2	11.5	8.13	5.77	4.11	2.93
35 mm	201	142	101	71.2	50.3	35.6	25.2	17.9	12.7	8.99	6.39	4.55
40 mm	263	186	131	92.9	65.7	46.5	32.9	23.3	16.5	11.7	8.33	5.93
45 mm	332	235	166	118	83.2	58.9	41.7	29.5	20.9	14.8	10.5	7.49
50 mm	410	290	205	145	103	72.6	51.4	36.4	25.8	18.3	13	9.22
55 mm	496	351	248	176	124	87.9	62.2	44	31.2	22.1	15.7	11.1
60 mm	591	418	295	209	148	105	74	52.4	37.1	26.3	18.6	13.2
70 mm	804	569	402	284	201	142	101	71.3	50.5	35.7	25.3	18
85 mm	1190	838	593	419	297	210	148	105	74.3	52.6	37.3	26.5
105 mm	1810	1280	904	640	452	320	226	160	113	80.3	56.9	40.3
135 mm	2990	2110	1500	1060	748	529	374	265	187	133	93.9	66.5
150 mm	3690	2610	1850	1310	923	653	462	327	231	164	116	82
200 mm	6560	4640	3280	2320	1640	1160	821	581	411	291	206	146
300 mm	14800	10400	7380	5220	3690	2610	1850	1310	924	653	462	327

If focused at In_flinity, Depth of Field extends back to Hpyerfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity

Hyperfocal Distance Chart

(in feet) for sensor 22.5 x 15 mm, Crop 1.6, CoC 0.0188 mm

Lens	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/64
3 mm	1.58	1.12	0.8	0.57	0.4	0.29	0.21	0.15	0.11	0.079	0.059	0.045
4 mm	2.81	1.99	1.41	1	0.71	0.51	0.36	0.26	0.19	0.14	0.1	0.075
5 mm	4.39	3.11	2.2	1.56	1.11	0.79	0.56	0.4	0.29	0.21	0.15	0.11
6 mm	6.32	4.47	3.17	2.25	1.59	1.13	0.81	0.58	0.41	0.3	0.22	0.16
7 mm	8.6	6.08	4.31	3.05	2.17	1.54	1.09	0.78	0.56	0.4	0.29	0.21
8 mm	11.2	7.94	5.62	3.98	2.83	2.01	1.43	1.02	0.73	0.52	0.38	0.27
9 mm	14.2	10	7.12	5.04	3.57	2.53	1.8	1.28	0.92	0.66	0.47	0.34
10 mm	17.5	12.4	8.78	6.22	4.41	3.13	2.22	1.58	1.13	0.81	0.58	0.42
11 mm	21.2	15	10.6	7.52	5.33	3.78	2.68	1.91	1.36	0.97	0.7	0.5
12 mm	25.2	17.9	12.6	8.95	6.34	4.49	3.19	2.27	1.61	1.15	0.83	0.6
14 mm	34.3	24.3	17.2	12.2	8.62	6.11	4.33	3.08	2.19	1.56	1.12	0.8
15 mm	39.4	27.9	19.7	14	9.89	7.01	4.97	3.53	2.51	1.79	1.28	0.92
16 mm	44.8	31.7	22.4	15.9	11.2	7.97	5.65	4.01	2.85	2.03	1.45	1.04
17 mm	50.6	35.8	25.3	17.9	12.7	8.99	6.38	4.52	3.22	2.29	1.64	1.17
18 mm	56.7	40.1	28.4	20.1	14.2	10.1	7.14	5.07	3.6	2.56	1.83	1.31
19 mm	63.2	44.7	31.6	22.4	15.9	11.2	7.96	5.64	4.01	2.85	2.04	1.46
20 mm	70	49.5	35.1	24.8	17.6	12.4	8.81	6.25	4.44	3.16	2.25	1.61
21 mm	77.2	54.6	38.6	27.3	19.4	13.7	9.71	6.89	4.89	3.48	2.48	1.77
24 mm	101	71.3	50.5	35.7	25.3	17.9	12.7	8.99	6.38	4.53	3.23	2.31
28 mm	137	97.1	68.7	48.6	34.4	24.3	17.2	12.2	8.66	6.15	4.38	3.12
35 mm	214	152	107	75.9	53.7	38	26.9	19.1	13.5	9.59	6.81	4.85
40 mm	280	198	140	99.1	70.1	49.6	35.1	24.9	17.6	12.5	8.88	6.32
45 mm	354	251	177	125	88.7	62.8	44.4	31.5	22.3	15.8	11.2	7.98
50 mm	438	309	219	155	110	77.5	54.8	38.8	27.5	19.5	13.8	9.83
55 mm	529	374	265	187	132	93.7	66.3	47	33.3	23.6	16.7	11.9
60 mm	630	446	315	223	158	112	78.9	55.9	39.6	28	19.9	14.1
70 mm	857	606	429	303	215	152	107	76	53.8	38.1	27	19.2
85 mm	1260	894	632	447	316	224	158	112	79.3	56.1	39.8	28.2
105 mm	1930	1360	965	682	483	341	241	171	121	85.6	60.6	43
135 mm	3190	2260	1590	1130	798	564	399	282	200	141	100	70.9
150 mm	3940	2780	1970	1390	985	696	493	348	247	174	124	87.5
200 mm	7000	4950	3500	2470	1750	1240	875	619	438	310	219	155
300 mm	15700	11100	7870	5570	3940	2780	1970	1390	985	697	493	349

If focused at In_flinity, Depth of Field extends back to Hpyerfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity

www.scantips.com/lights/dof.html

Hyperfocal Distance Chart

(in feet) for sensor 17.3 x 13 mm, Crop 2, CoC 0.015 mm

Lens	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/64
3 mm	1.98	1.4	0.99	0.71	0.5	0.36	0.26	0.18	0.13	0.097	0.071	0.053
4 mm	3.51	2.49	1.76	1.25	0.89	0.63	0.45	0.32	0.23	0.17	0.12	0.09
5 mm	5.48	3.88	2.75	1.95	1.38	0.98	0.7	0.5	0.36	0.26	0.19	0.14
6 mm	7.89	5.59	3.96	2.8	1.99	1.41	1	0.72	0.51	0.37	0.27	0.19
7 mm	10.7	7.6	5.38	3.81	2.7	1.92	1.36	0.97	0.69	0.5	0.36	0.26
8 mm	14	9.92	7.02	4.97	3.53	2.5	1.78	1.26	0.9	0.64	0.46	0.34
9 mm	17.7	12.6	8.89	6.29	4.46	3.16	2.24	1.6	1.14	0.81	0.58	0.42
10 mm	21.9	15.5	11	7.76	5.5	3.9	2.77	1.97	1.4	0.1	0.72	0.52
11 mm	26.5	18.7	13.3	9.39	6.65	4.71	3.34	2.37	1.69	1.21	0.86	0.62
12 mm	31.5	22.3	15.8	11.2	7.91	5.61	3.98	2.82	2.01	1.43	1.02	0.74
14 mm	42.9	30.4	21.5	15.2	10.8	7.62	5.4	3.83	2.72	1.94	1.39	0.99
15 mm	49.3	34.8	24.7	17.4	12.4	8.75	6.2	4.4	3.12	2.22	1.59	1.14
16 mm	56	39.6	28	19.8	14	9.95	7.05	5	3.55	2.53	1.8	1.29
17 mm	63.3	44.7	31.7	22.4	15.9	11.2	7.96	5.64	4.01	2.85	2.03	1.45
18 mm	70.9	50.2	35.5	25.1	17.8	12.6	8.92	6.32	4.49	3.19	2.27	1.62
19 mm	79	55.9	39.5	28	19.8	14	9.93	7.04	5	3.55	2.53	1.81
20 mm	87.5	61.9	43.8	31	21.9	15.5	11	7.8	5.53	3.93	2.8	2
21 mm	96.5	68.3	48.3	34.2	24.2	17.1	12.1	8.59	6.1	4.33	3.08	2.2
24 mm	126	89.1	63.1	44.6	31.6	22.3	15.8	11.2	7.95	5.65	4.02	2.86
28 mm	172	121	85.8	60.7	43	30.4	21.5	15.2	10.8	7.67	5.45	3.88
35 mm	268	190	134	94.8	67.1	47.5	33.6	23.8	16.9	12	8.49	6.03
40 mm	350	248	175	124	87.6	62	43.9	31.1	22	15.6	11.1	7.86
45 mm	443	313	222	157	111	78.4	55.5	39.3	27.8	19.7	14	9.93
50 mm	547	387	274	193	137	96.8	68.5	48.5	34.3	24.3	17.2	12.2
55 mm	662	468	331	234	166	117	82.9	58.7	41.5	29.4	20.9	14.8
60 mm	787	557	394	279	197	139	98.6	69.8	49.4	35	24.8	17.6
70 mm	1070	758	536	379	268	190	134	94.9	67.2	47.6	33.7	23.9
85 mm	1580	1120	790	559	395	280	198	140	99	70.1	49.7	35.2
105 mm	2410	1710	1210	853	603	427	302	213	151	107	75.7	53.6
135 mm	3990	2820	1990	1410	997	705	499	353	250	177	125	88.5
150 mm	4920	3480	2460	1740	1230	870	616	435	308	218	154	109
200 mm	8750	6190	4370	3090	2190	1550	1090	774	547	387	274	194
300 mm	19700	13900	9840	6960	4920	3480	2460	1740	1230	871	616	436

If focused at In_flinity, Depth of Field extends back to Hpyerfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity

www.scantips.com/lights/dof.html

Hyperfocal Distance Chart

(in feet) for sensor 13.3 x 8.86 mm, Crop 2.71, CoC 0.0111 mm

3 mm	0.3	0.22	0.15	0.11	0.078	0.056	0.04	0.03	0.022	0.016	0.012	0.0096
4 mm	0.54	0.38	0.27	0.19	0.14	0.098	0.071	0.051	0.037	0.028	0.021	0.016
5 mm	0.84	0.59	0.42	0.3	0.21	0.15	0.11	0.079	0.057	0.042	0.031	0.023
6 mm	1.21	0.85	0.61	0.43	0.31	0.22	0.16	0.11	0.081	0.059	0.043	0.033
7 mm	1.64	1.16	0.82	0.58	0.42	0.3	0.21	0.15	0.11	0.079	0.058	0.043
8 mm	2.14	1.52	1.07	0.76	0.54	0.39	0.27	0.2	0.14	0.1	0.075	0.055
9 mm	2.71	1.92	1.36	0.96	0.68	0.49	0.35	0.25	0.18	0.13	0.093	0.069
10 mm	3.34	2.37	1.68	1.19	0.84	0.6	0.43	0.3	0.22	0.16	0.11	0.084
11 mm	4.04	2.86	2.03	1.44	1.02	0.72	0.52	0.37	0.26	0.19	0.14	0.1
12 mm	4.81	3.41	2.41	1.71	1.21	0.86	0.61	0.44	0.31	0.22	0.16	0.12
14 mm	6.55	4.63	3.28	2.32	1.65	1.17	0.83	0.59	0.42	0.3	0.22	0.16
15 mm	7.51	5.32	3.76	2.67	1.89	1.34	0.95	0.68	0.48	0.35	0.25	0.18
16 mm	8.55	6.05	4.28	3.03	2.15	1.52	1.08	0.77	0.55	0.39	0.28	0.2
17 mm	9.65	6.83	4.83	3.42	2.42	1.72	1.22	0.87	0.62	0.44	0.32	0.23
18 mm	10.8	7.65	5.42	3.84	2.72	1.93	1.37	0.97	0.69	0.5	0.36	0.26
19 mm	12.1	8.53	6.03	4.27	3.03	2.15	1.52	1.08	0.77	0.55	0.39	0.28
20 mm	13.4	9.45	6.69	4.73	3.35	2.38	1.69	1.2	0.85	0.61	0.44	0.31
21 mm	14.7	10.4	7.37	5.22	3.7	2.62	1.86	1.32	0.94	0.67	0.48	0.35
24 mm	19.2	13.6	9.62	6.81	4.82	3.42	2.42	1.72	1.22	0.87	0.62	0.45
28 mm	26.2	18.5	13.1	9.27	6.56	4.65	3.29	2.34	1.66	1.18	0.84	0.61
35 mm	40.9	28.9	20.4	14.5	10.2	7.25	5.14	3.64	2.59	1.84	1.31	0.94
40 mm	53.4	37.7	26.7	18.9	13.4	9.47	6.71	4.75	3.37	2.4	1.71	1.22
45 mm	67.5	47.8	33.8	23.9	16.9	12	8.48	6.01	4.26	3.03	2.15	1.54
50 mm	83.4	59	41.7	29.5	20.9	14.8	10.5	7.41	5.26	3.73	2.65	1.89
55 mm	101	71.3	50.5	35.7	25.3	17.9	12.7	8.97	6.36	4.51	3.21	2.28
60 mm	120	84.9	60.1	42.5	30.1	21.3	15.1	10.7	7.56	5.36	3.81	2.71
70 mm	163	116	81.7	57.8	40.9	28.9	20.5	14.5	10.3	7.29	5.17	3.68
85 mm	241	170	120	85.2	60.3	42.7	30.2	21.4	15.1	10.7	7.61	5.41
105 mm	368	260	184	130	92	65.1	46	32.6	23.1	16.3	11.6	8.22
135 mm	608	430	304	215	152	108	76.1	53.8	38.1	27	19.1	13.6
150 mm	750	530	375	265	188	133	93.9	66.4	47	33.3	23.6	16.7
200 mm	1330	943	667	472	333	236	167	118	83.5	59.1	41.9	29.7
300 mm	3000	2120	1500	1060	750	531	375	265	188	133	94	66.6

If focused at In_flinity, Depth of Field extends back to Hpyerfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity

www.scantips.com/lights/dof.html

Hyperfocal Distance Chart

(in meters) for sensor 24 x 16 mm, Crop 1.5, CoC 0.02 mm

Lens	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/64
3 mm	0.45	0.32	0.23	0.16	0.12	0.083	0.059	0.043	0.031	0.023	0.017	0.013
4 mm	0.8	0.57	0.4	0.29	0.2	0.15	0.1	0.075	0.054	0.039	0.029	0.022

5 mm	1.25	0.89	0.63	0.45	0.32	0.23	0.16	0.12	0.083	0.06	0.044	0.033
6 mm	1.81	1.28	0.91	0.64	0.46	0.32	0.23	0.17	0.12	0.086	0.062	0.046
7 mm	2.46	1.74	1.23	0.87	0.62	0.44	0.31	0.22	0.16	0.12	0.084	0.061
8 mm	3.21	2.27	1.61	1.14	0.81	0.57	0.41	0.29	0.21	0.15	0.11	0.079
9 mm	4.06	2.87	2.03	1.44	1.02	0.72	0.52	0.37	0.26	0.19	0.14	0.098
10 mm	5.01	3.54	2.51	1.78	1.26	0.89	0.63	0.45	0.32	0.23	0.17	0.12
11 mm	6.06	4.29	3.04	2.15	1.52	1.08	0.77	0.55	0.39	0.28	0.2	0.14
12 mm	7.21	5.1	3.61	2.56	1.81	1.28	0.91	0.65	0.46	0.33	0.24	0.17
14 mm	9.81	6.94	4.91	3.48	2.46	1.75	1.24	0.88	0.63	0.45	0.32	0.23
15 mm	11.3	7.97	5.64	3.99	2.83	2	1.42	1.01	0.72	0.51	0.37	0.26
16 mm	12.8	9.07	6.42	4.54	3.22	2.28	1.62	1.15	0.82	0.58	0.42	0.3
17 mm	14.5	10.2	7.24	5.13	3.63	2.57	1.82	1.29	0.92	0.66	0.47	0.34
18 mm	16.2	11.5	8.12	5.74	4.07	2.88	2.04	1.45	1.03	0.73	0.52	0.38
19 mm	18.1	12.8	9.04	6.4	4.53	3.21	2.27	1.61	1.15	0.82	0.58	0.42
20 mm	20	14.2	10	7.09	5.02	3.55	2.52	1.79	1.27	0.9	0.64	0.46
21 mm	22.1	15.6	11	7.82	5.53	3.92	2.78	1.97	1.4	0.1	0.71	0.51
24 mm	28.8	20.4	14.4	10.2	7.22	5.11	3.62	2.57	1.82	1.3	0.92	0.66
28 mm	39.2	27.7	19.6	13.9	9.83	6.96	4.93	3.49	2.48	1.76	1.25	0.89
35 mm	61.3	43.3	30.7	21.7	15.3	10.9	7.69	5.45	3.86	2.74	1.95	1.39
40 mm	80	56.6	40	28.3	20	14.2	10	7.11	5.04	3.57	2.54	1.81
45 mm	101	71.6	50.7	35.8	25.4	17.9	12.7	8.99	6.37	4.52	3.21	2.28
50 mm	125	88.4	62.5	44.2	31.3	22.1	15.7	11.1	7.86	5.57	3.96	2.81
55 mm	151	107	75.7	53.5	37.9	26.8	19	13.4	9.51	6.74	4.78	3.4
60 mm	180	127	90	63.7	45.1	31.9	22.6	16	11.3	8.01	5.68	4.04
70 mm	245	173	123	86.7	61.3	43.4	30.7	21.7	15.4	10.9	7.73	5.48
85 mm	361	255	181	128	90.4	63.9	45.2	32	22.7	16	11.4	8.07
105 mm	551	390	276	195	138	97.5	69	48.8	34.6	24.5	17.3	12.3
135 mm	911	644	456	322	228	161	114	80.7	57.1	40.4	28.6	20.3
150 mm	1120	796	563	398	281	199	141	99.6	70.5	49.9	35.3	25
200 mm	2000	1410	1000	707	500	354	250	177	125	88.6	62.7	44.4
300 mm	4500	3180	2250	1590	1130	796	563	398	282	199	141	99.7

If focused at In_flinity, Depth of Field extends back to Hperfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity

www.scantips.com/lights/dof.html

Hyperfocal Distance Chart

(in meters) for sensor 22.5 x 15 mm, Crop 1.6, CoC 0.0188 mm

Lens	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/64
3 mm	0.48	0.34	0.24	0.17	0.12	0.088	0.063	0.045	0.033	0.024	0.018	0.014
4 mm	0.86	0.61	0.43	0.31	0.22	0.15	0.11	0.079	0.057	0.042	0.031	0.023
5 mm	1.34	0.95	0.67	0.48	0.34	0.24	0.17	0.12	0.088	0.064	0.047	0.034
6 mm	1.93	1.36	0.97	0.68	0.49	0.35	0.25	0.18	0.13	0.091	0.066	0.048

7 mm	2.62	1.85	1.31	0.93	0.66	0.47	0.33	0.24	0.17	0.12	0.089	0.065
8 mm	3.42	2.42	1.71	1.21	0.86	0.61	0.43	0.31	0.22	0.16	0.11	0.083
9 mm	4.33	3.06	2.17	1.54	1.09	0.77	0.55	0.39	0.28	0.2	0.14	0.1
10 mm	5.34	3.78	2.68	1.9	1.34	0.95	0.68	0.48	0.34	0.25	0.18	0.13
11 mm	6.46	4.57	3.24	2.29	1.62	1.15	0.82	0.58	0.41	0.3	0.21	0.15
12 mm	7.69	5.44	3.85	2.73	1.93	1.37	0.97	0.69	0.49	0.35	0.25	0.18
14 mm	10.5	7.4	5.24	3.71	2.63	1.86	1.32	0.94	0.67	0.48	0.34	0.24
15 mm	12	8.5	6.01	4.26	3.01	2.14	1.51	1.08	0.76	0.55	0.39	0.28
16 mm	13.7	9.67	6.84	4.84	3.43	2.43	1.72	1.22	0.87	0.62	0.44	0.32
17 mm	15.4	10.9	7.72	5.47	3.87	2.74	1.94	1.38	0.98	0.7	0.5	0.36
18 mm	17.3	12.2	8.66	6.13	4.34	3.07	2.18	1.55	1.1	0.78	0.56	0.4
19 mm	19.3	13.6	9.64	6.83	4.83	3.42	2.43	1.72	1.22	0.87	0.62	0.44
20 mm	21.4	15.1	10.7	7.56	5.35	3.79	2.69	1.91	1.35	0.96	0.69	0.49
21 mm	23.5	16.6	11.8	8.34	5.9	4.18	2.96	2.1	1.49	1.06	0.76	0.54
24 mm	30.7	21.7	15.4	10.9	7.7	5.45	3.86	2.74	1.94	1.38	0.98	0.7
28 mm	41.8	29.6	20.9	14.8	10.5	7.42	5.25	3.72	2.64	1.88	1.33	0.95
35 mm	65.4	46.2	32.7	23.1	16.4	11.6	8.2	5.81	4.12	2.92	2.08	1.48
40 mm	85.4	60.4	42.7	30.2	21.4	15.1	10.7	7.58	5.37	3.81	2.71	1.93
45 mm	108	76.4	54	38.2	27	19.1	13.5	9.59	6.79	4.82	3.42	2.43
50 mm	133	94.3	66.7	47.2	33.4	23.6	16.7	11.8	8.38	5.94	4.22	3
55 mm	161	114	80.7	57.1	40.4	28.6	20.2	14.3	10.1	7.18	5.1	3.62
60 mm	192	136	96	67.9	48.1	34	24.1	17	12.1	8.54	6.06	4.3
70 mm	261	185	131	92.5	65.4	46.3	32.7	23.2	16.4	11.6	8.24	5.84
85 mm	385	273	193	136	96.4	68.2	48.2	34.1	24.2	17.1	12.1	8.6
105 mm	588	416	294	208	147	104	73.6	52.1	36.8	26.1	18.5	13.1
135 mm	972	687	486	344	243	172	122	86	60.9	43.1	30.5	21.6
150 mm	1200	849	600	424	300	212	150	106	75.1	53.2	37.6	26.7
200 mm	2130	1510	1070	754	533	377	267	189	134	94.5	66.9	47.3
300 mm	4800	3390	2400	1700	1200	849	600	424	300	212	150	106

If focused at In_flinity, Depth of Field extends back to Hpyerfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity

www.scantips.com/lights/dof.html

Hyperfocal Distance Chart

(in meters) for sensor 17.3 x 13 mm, Crop 2, CoC 0.015 mm

Lens	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/64
3 mm	0.6	0.43	0.3	0.22	0.15	0.11	0.078	0.056	0.04	0.03	0.022	0.016
4 mm	1.07	0.76	0.54	0.38	0.27	0.19	0.14	0.098	0.071	0.051	0.037	0.028
5 mm	1.67	1.18	0.84	0.59	0.42	0.3	0.21	0.15	0.11	0.079	0.057	0.042
6 mm	2.41	1.7	1.21	0.85	0.61	0.43	0.31	0.22	0.16	0.11	0.081	0.059
7 mm	3.27	2.32	1.64	1.16	0.82	0.58	0.42	0.3	0.21	0.15	0.11	0.079
8 mm	4.27	3.02	2.14	1.52	1.07	0.76	0.54	0.39	0.27	0.2	0.14	0.1

9 mm	5.41	3.83	2.71	1.92	1.36	0.96	0.68	0.49	0.35	0.25	0.18	0.13
10 mm	6.68	4.72	3.34	2.37	1.68	1.19	0.84	0.6	0.43	0.3	0.22	0.16
11 mm	8.08	5.71	4.04	2.86	2.03	1.44	1.02	0.72	0.52	0.37	0.26	0.19
12 mm	9.61	6.8	4.81	3.41	2.41	1.71	1.21	0.86	0.61	0.44	0.31	0.22
14 mm	13.1	9.25	6.55	4.63	3.28	2.32	1.65	1.17	0.83	0.59	0.42	0.3
15 mm	15	10.6	7.51	5.32	3.76	2.67	1.89	1.34	0.95	0.68	0.48	0.35
16 mm	17.1	12.1	8.55	6.05	4.28	3.03	2.15	1.52	1.08	0.77	0.55	0.39
17 mm	19.3	13.6	9.65	6.83	4.83	3.42	2.42	1.72	1.22	0.87	0.62	0.44
18 mm	21.6	15.3	10.8	7.65	5.42	3.84	2.72	1.93	1.37	0.97	0.69	0.5
19 mm	24.1	17	12.1	8.53	6.03	4.27	3.03	2.15	1.52	1.08	0.77	0.55
20 mm	26.7	18.9	13.4	9.45	6.69	4.73	3.35	2.38	1.69	1.2	0.85	0.61
21 mm	29.4	20.8	14.7	10.4	7.37	5.22	3.7	2.62	1.86	1.32	0.94	0.67
24 mm	38.4	27.2	19.2	13.6	9.62	6.81	4.82	3.42	2.42	1.72	1.22	0.87
28 mm	52.3	37	26.2	18.5	13.1	9.27	6.56	4.65	3.29	2.34	1.66	1.18
35 mm	81.7	57.8	40.9	28.9	20.4	14.5	10.2	7.25	5.14	3.64	2.59	1.84
40 mm	107	75.5	53.4	37.7	26.7	18.9	13.4	9.47	6.71	4.75	3.37	2.4
45 mm	135	95.5	67.5	47.8	33.8	23.9	16.9	12	8.48	6.01	4.26	3.03
50 mm	167	118	83.4	59	41.7	29.5	20.9	14.8	10.5	7.41	5.26	3.73
55 mm	202	143	101	71.3	50.5	35.7	25.3	17.9	12.7	8.97	6.36	4.51
60 mm	240	170	120	84.9	60.1	42.5	30.1	21.3	15.1	10.7	7.56	5.36
70 mm	327	231	163	116	81.7	57.8	40.9	28.9	20.5	14.5	10.3	7.29
85 mm	482	341	241	170	120	85.2	60.3	42.7	30.2	21.4	15.1	10.7
105 mm	735	520	368	260	184	130	92	65.1	46	32.6	23.1	16.3
135 mm	1210	859	608	430	304	215	152	108	76.1	53.8	38.1	27
150 mm	1500	1060	750	530	375	265	188	133	93.9	66.4	47	33.3
200 mm	2670	1890	1330	943	667	472	333	236	167	118	83.5	59.1
300 mm	6000	4240	3000	2120	1500	1060	750	531	375	265	188	133

If focused at In_flinity, Depth of Field extends back to Hperfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity

www.scantips.com/lights/dof.html

Hyperfocal Distance Chart

(in meters) for sensor 13.3 x 8.86 mm, Crop 2.71, CoC 0.0111 mm

Lens	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/64
3 mm	0.82	0.58	0.41	0.29	0.21	0.15	0.1	0.075	0.054	0.039	0.028	0.021
4 mm	1.45	1.03	0.73	0.51	0.37	0.26	0.18	0.13	0.094	0.068	0.049	0.036
5 mm	2.26	1.6	1.13	0.8	0.57	0.4	0.29	0.2	0.15	0.1	0.076	0.055
6 mm	3.26	2.31	1.63	1.16	0.82	0.58	0.41	0.29	0.21	0.15	0.11	0.078
7 mm	4.43	3.14	2.22	1.57	1.11	0.79	0.56	0.4	0.28	0.2	0.15	0.1
8 mm	5.79	4.1	2.9	2.05	1.45	1.03	0.73	0.52	0.37	0.26	0.19	0.14
9 mm	7.32	5.18	3.67	2.6	1.84	1.3	0.92	0.66	0.47	0.33	0.24	0.17
10 mm	9.04	6.4	4.53	3.2	2.27	1.61	1.14	0.81	0.57	0.41	0.29	0.21

11 mm	10.9	7.74	5.48	3.87	2.74	1.94	1.38	0.98	0.69	0.49	0.35	0.25
12 mm	13	9.21	6.52	4.61	3.26	2.31	1.64	1.16	0.82	0.59	0.42	0.3
14 mm	17.7	12.5	8.87	6.27	4.44	3.14	2.23	1.58	1.12	0.8	0.57	0.41
15 mm	20.3	14.4	10.2	7.2	5.1	3.61	2.56	1.81	1.29	0.91	0.65	0.46
16 mm	23.1	16.4	11.6	8.19	5.8	4.1	2.91	2.06	1.46	1.04	0.74	0.53
17 mm	26.1	18.5	13.1	9.25	6.54	4.63	3.28	2.32	1.65	1.17	0.83	0.59
18 mm	29.3	20.7	14.6	10.4	7.33	5.19	3.68	2.6	1.85	1.31	0.93	0.66
19 mm	32.6	23.1	16.3	11.5	8.17	5.78	4.09	2.9	2.06	1.46	1.04	0.74
20 mm	36.1	25.6	18.1	12.8	9.05	6.41	4.54	3.21	2.28	1.62	1.15	0.82
21 mm	39.9	28.2	19.9	14.1	9.98	7.06	5	3.54	2.51	1.78	1.27	0.9
24 mm	52	36.8	26	18.4	13	9.22	6.53	4.62	3.28	2.32	1.65	1.17
28 mm	70.8	50.1	35.4	25.1	17.7	12.5	8.88	6.29	4.45	3.16	2.24	1.59
35 mm	111	78.3	55.4	39.2	27.7	19.6	13.9	9.81	6.95	4.92	3.49	2.48
40 mm	145	102	72.3	51.1	36.2	25.6	18.1	12.8	9.07	6.43	4.56	3.23
45 mm	183	129	91.5	64.7	45.8	32.4	22.9	16.2	11.5	8.13	5.76	4.09
50 mm	226	160	113	79.9	56.5	40	28.3	20	14.2	10	7.11	5.04
55 mm	273	193	137	96.7	68.4	48.4	34.2	24.2	17.1	12.1	8.59	6.09
60 mm	325	230	163	115	81.3	57.5	40.7	28.8	20.4	14.4	10.2	7.24
70 mm	443	313	221	157	111	78.3	55.4	39.2	27.7	19.6	13.9	9.85
85 mm	653	462	326	231	163	115	81.7	57.8	40.9	28.9	20.5	14.5
105 mm	996	704	498	352	249	176	125	88.1	62.3	44.1	31.2	22.1
135 mm	1650	1160	823	582	412	291	206	146	103	72.9	51.6	36.5
150 mm	2030	1440	1020	719	508	359	254	180	127	90	63.7	45.1
200 mm	3610	2550	1810	1280	903	639	452	320	226	160	113	80
300 mm	8130	5750	4060	2870	2030	1440	1020	719	508	360	254	180

If focused at In_flinity, Depth of Field extends back to Hpyerfocal

If focused at Hyperfocal, extends from Half of Hyperfocal to In_flinity