



810 Reference Video System

Projector Lens Information

Lens V (1.1:1)

Designed for back-projection operation: “Very Short” throw.

Table assumes 16:9 image. Measurements in inches.

Image width (16:9)	Image Height	Projector Distance
50	28	55
62	35	68
74	42	81
86	48	95
98	55	108
110	62	121
122	69	134
134	75	147
146	82	161
158	89	174
170	96	187
182	102	200
194	109	213
206	116	227
218	123	240
230	129	253
242	136	266
254	143	279

Notes:

1. Lens V has a nominal throw of 1.1:1
2. The anamorphic lens attachment is not available for this lens
3. Lens V has powered focus control

Lens S (1.5:1–1.84:1)

A short-throw lens with power zoom and focus. Includes $\pm 50\%$ vertical and $\pm 25\%$ horizontal image adjustment. Compatible with the 2.35:1 anamorphic lens assembly.

Table covers both 16:9 and 2.35:1 images. Measurements in inches.

Image width		Image Height	Projector	Distance
2.35:1	16:9		Tele	Wide 16:9
120	91	51	167	136
132	100	56	184	150
144	109	61	200	163
156	118	66	217	177
168	127	71	234	191
180	136	77	251	204
192	145	82	267	218
204	154	87	284	231
216	163	92	301	245
228	172	97	317	259
240	182	102	334	272
252	191	107	351	286
264	200	112	367	300
276	209	117	384	313
288	218	123	401	327
300	227	128	418	340
312	236	133	434	354

Notes:

1. Lens S has a nominal zoom range of 1.5:1 – 1.84:1
2. 2.35:1 image assumes anamorphic attachment
3. Anamorphic attachment (for 2.35:1 screen) operates in 1.6:1 – 1.84:1 range only

Lens M (2.2:1 – 3.6:1)

A medium-throw lens with power zoom and focus. Includes $\pm 50\%$ vertical and $\pm 25\%$ horizontal image adjustment. Compatible with the 2.35:1 anamorphic lens assembly.

Table covers both 16:9 and 2.35:1 images. Measurements in inches.

Image width		Image Height	Projector	Distance
2.35:1	16:9		Tele	Wide
120	91	51	328	200
132	100	56	360	220
144	109	61	392	240
156	118	66	425	260
168	127	71	457	279
180	136	77	490	299
192	145	82	522	319
204	154	87	554	340
216	163	92	587	359
228	172	97	619	378
240	182	102	655	400
252	191	107	688	420
264	200	112	720	440
276	209	117	752	460
288	218	123	785	480
300	227	128	817	499
312	236	133	850	519

Notes:

1. Lens M has a nominal zoom range of 2.2:1 – 3.6:1
2. 2.35:1 image assumes anamorphic attachment

Lens L (4.7:1–8.0:1)

A long-throw lens. Compatible with the 2.35:1 anamorphic lens assembly.

Table covers both 16:9 and 2.35:1 images. Measurements in inches.

Image width		Image Height	Projector Tele	Distance Wide
2:35:1	16:9			
120	91	51	726	427
132	100	56	799	469
144	109	61	871	512
156	118	66	944	555
168	127	71	1017	597
180	136	77	1089	640
192	145	82	1162	683
204	154	87	1235	725
216	163	92	1307	768
228	172	97	1380	811
240	182	102	1452	853
252	191	107	1525	896
264	200	112	1598	939
276	209	117	1670	981
288	218	123	1743	1024
300	227	128	1816	1067
312	236	133	1888	1109

Notes:

1. Lens L1 has a nominal zoom range of 4.7:1 – 8.0:1
2. 2:35:1 image assumes anamorphic attachment
3. Lens L has manual zoom and focusing