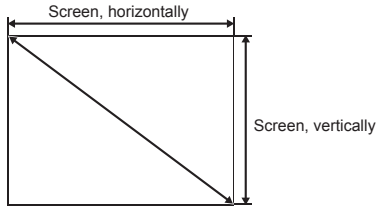
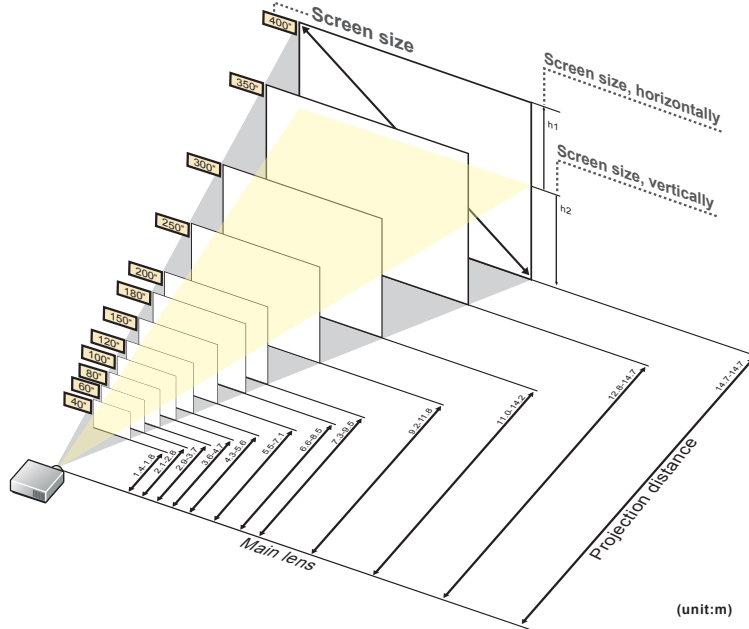


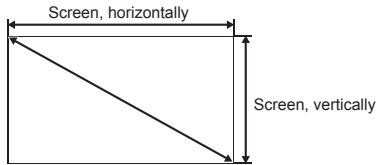
This is the throw distance ratio when the screen size is 100. Since design values are used, there will be some disparity.



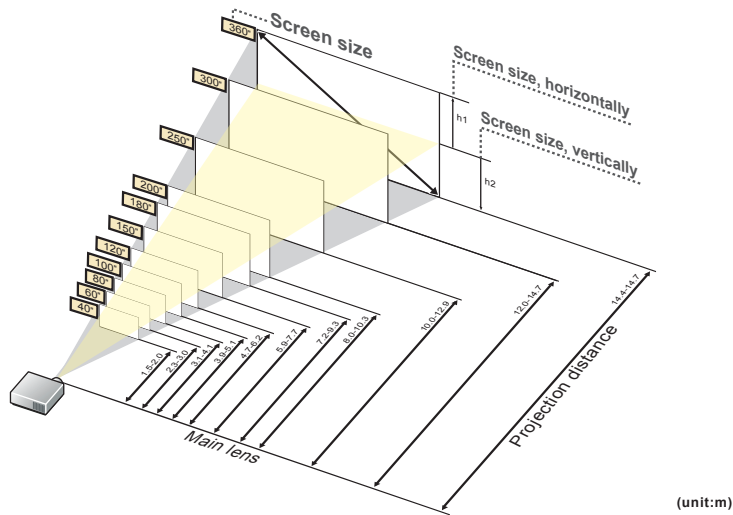
[For the 4:3 ratio]



4:3											
Screen size	inch			31"	40"	50"	60"	70"	80"	90"	100"
Screen size, horizontally	m			0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
Screen size, vertically	m			0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
Projection distance (Shortest to longest)	m			1.4-1.4	1.4-1.8	1.8-2.3	2.1-2.8	2.5-3.3	2.9-3.7	3.2-4.2	3.6-4.7
h1=h2	cm			24	30	38	46	53	61	69	76
Screen size	inch	110"	120"	130"	140"	150"	160"	170"	180"	190"	200"
Screen size, horizontally	m	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.1
Screen size, vertically	m	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0
Projection distance (Shortest to longest)	m	4.0-5.2	4.3-5.6	4.7-6.1	5.1-6.6	5.5-7.1	5.8-7.5	6.2-8.0	6.6-8.5	6.9-9.0	7.3-9.5
h1=h2	cm	84	91	99	107	114	122	130	137	145	152
Screen size	inch	210"	220"	230"	240"	250"	260"	270"	280"	290"	300"
Screen size, horizontally	m	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1
Screen size, vertically	m	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6
Projection distance (Shortest to longest)	m	7.7-9.9	8.0-10.4	8.4-10.9	8.8-11.4	9.2-11.8	9.5-12.3	9.9-12.8	10.3-13.3	10.6-13.8	11.0-14.2
h1=h2	cm	160	168	175	183	191	198	206	213	221	229
Screen size	inch	310"	320"	330"	340"	350"	360"	370"	380"	390"	400"
Screen size, horizontally	m	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1
Screen size, vertically	m	4.7	4.9	5.0	5.2	5.3	5.5	5.6	5.8	5.9	6.1
Projection distance (Shortest to longest)	m	11.4-14.7	11.7-14.7	12.1-14.7	12.5-14.7	12.8-14.7	13.2-14.7	13.6-14.7	14.0-14.7	14.3-14.7	14.7-14.7
h1=h2	cm	236	244	251	259	267	274	282	290	297	305



[For the 16:9 ratio]



16:9											
Screen size	inch			30"	40"	50"	60"	70"	80"	90"	100"
Screen size, horizontally	m			0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.2
Screen size, vertically	m			0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
Projection distance (Shortest to longest)	m			1.4-1.5	1.5-2.0	1.9-2.5	2.3-3.0	2.7-3.5	3.1-4.1	3.5-4.6	3.9-5.1
h1=h2	cm			18	25	31	37	44	50	56	62
Screen size	inch	110"	120"	130"	140"	150"	160"	170"	180"	190"	200"
Screen size, horizontally	m	2.4	2.7	2.9	3.1	3.3	3.5	3.8	4.0	4.2	4.4
Screen size, vertically	m	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2	2.4	2.5
Projection distance (Shortest to longest)	m	4.3-5.6	4.7-6.2	5.1-6.7	5.5-7.2	5.9-7.7	6.4-8.2	6.8-8.8	7.2-9.3	7.6-9.8	8.0-10.3
h1=h2	cm	68	75	81	87	93	100	106	112	118	125
Screen size	inch	210"	220"	230"	240"	250"	260"	270"	280"	290"	300"
Screen size, horizontally	m	4.6	4.9	5.1	5.3	5.5	5.8	6.0	6.2	6.4	6.6
Screen size, vertically	m	2.6	2.7	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7
Projection distance (Shortest to longest)	m	8.4-10.8	8.8-11.4	9.2-11.9	9.6-12.4	10.0-12.9	10.4-13.4	10.8-14.0	11.2-14.5	11.6-14.7	12.0-14.7
h1=h2	cm	131	137	143	149	156	162	168	174	181	187
Screen size	inch	310"	320"	330"	340"	350"	360"				
Screen size, horizontally	m	6.9	7.1	7.3	7.5	7.7	8.0				
Screen size, vertically	m	3.9	4.0	4.1	4.2	4.4	4.5				
Projection distance (Shortest to longest)	m	12.4-14.7	12.8-14.7	13.2-14.7	13.6-14.7	14.0-14.7	14.4-14.7				
h1=h2	cm	193	199	205	212	218	224				