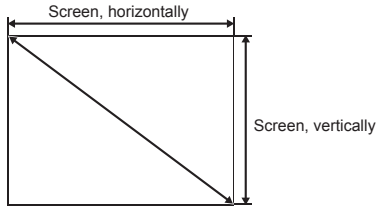
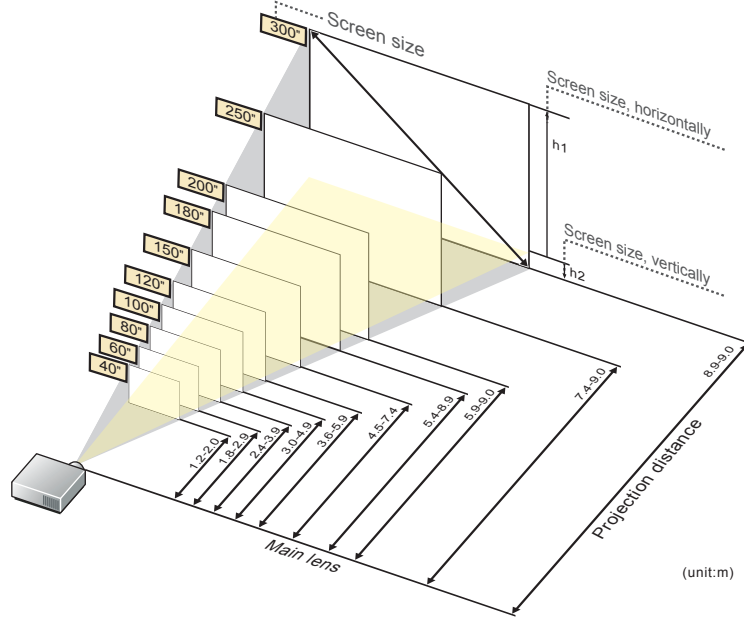


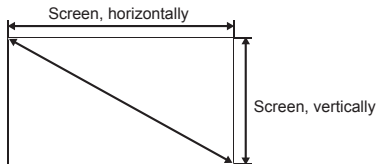
This is the throw distance ratio when the screen size is 100. Since design values are used, there will be some disparity.



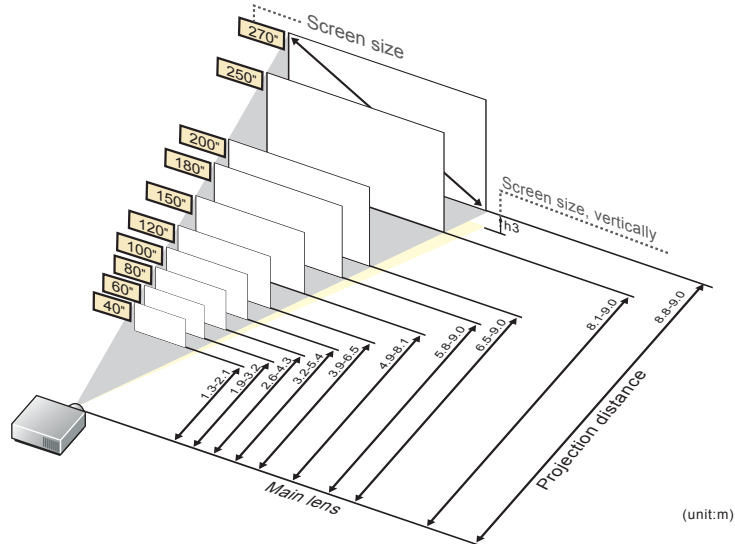
[For the 4:3 ratio]



4:3												
Screen size	inch					40"	50"	60"	70"	80"	90"	100"
Screen size, horizontally	m					0.8	1.0	1.2	1.4	1.6	1.8	2.0
Screen size, vertically	m					0.6	0.8	0.9	1.1	1.2	1.4	1.5
Projection distance (Shortest to longest)	m					1.2-2.0	1.5-2.5	1.8-2.9	2.1-3.4	2.4-3.9	2.7-4.4	3.0-4.9
h1	cm					55	69	82	96	110	123	137
h2	cm					6	8	9	11	12	14	15
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	3.3-5.4	3.6-5.9	3.9-6.4	4.2-6.9	4.5-7.4	4.8-7.9	5.1-8.4	5.4-8.9	5.6-9.0	5.9-9.0	
h1	cm	151	165	178	192	206	219	233	247	261	274	
h2	cm	17	18	20	21	23	24	26	27	29	30	
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	6.2-9.0	6.5-9.0	6.8-9.0	7.1-9.0	7.4-9.0	7.7-9.0	8.0-9.0	8.3-9.0	8.6-9.0	8.9-9.0	
h1	cm	288	302	315	329	343	357	370	384	398	411	
h2	cm	32	34	35	37	38	40	41	43	44	46	



[For the 16:9 ratio]



16:9												
Screen size	inch					40"	50"	60"	70"	80"	90"	100"
Screen size, horizontally	m					0.9	1.1	1.3	1.5	1.8	2.0	2.2
Screen size, vertically	m					0.5	0.6	0.7	0.9	1.0	1.1	1.2
Projection distance (Shortest to longest)	m					1.3-2.1	1.6-2.7	1.9-3.2	2.2-3.8	2.6-4.3	2.9-4.8	3.2-5.4
h3	cm					2	2	2	3	3	4	4
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	3.6-5.9	3.9-6.5	4.2-7.0	4.5-7.5	4.9-8.1	5.2-8.6	5.5-9.0	5.8-9.0	6.2-9.0	6.5-9.0	
h3	cm	5	5	5	6	6	7	7	7	8	8	
Screen size	inch	210"	220"	230"	240"	250"	260"	270"				
Screen size, horizontally	m	4.6	4.9	5.1	5.3	5.5	5.8	6.0				
Screen size, vertically	m	2.6	2.7	2.9	3.0	3.1	3.2	3.4				
Projection distance (Shortest to longest)	m	6.8-9.0	7.1-9.0	7.5-9.0	7.8-9.0	8.1-9.0	8.4-9.0	8.8-9.0				
h3	cm	9	9	10	10	10	11	11				