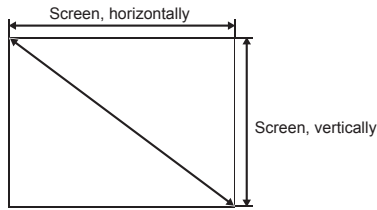
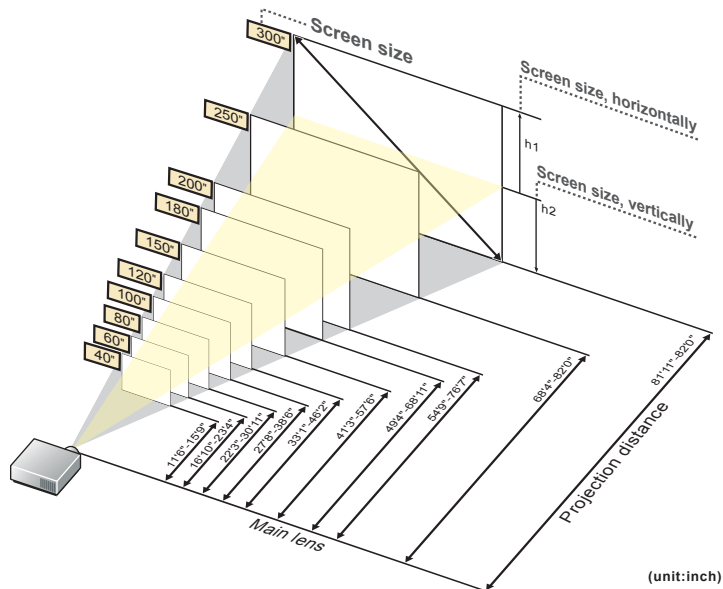


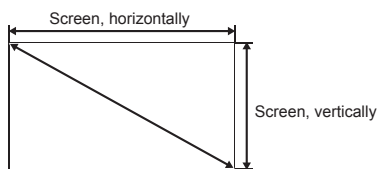
This is the throw distance ratio when the screen size is 100. Since design values are used, there will be some disparity.



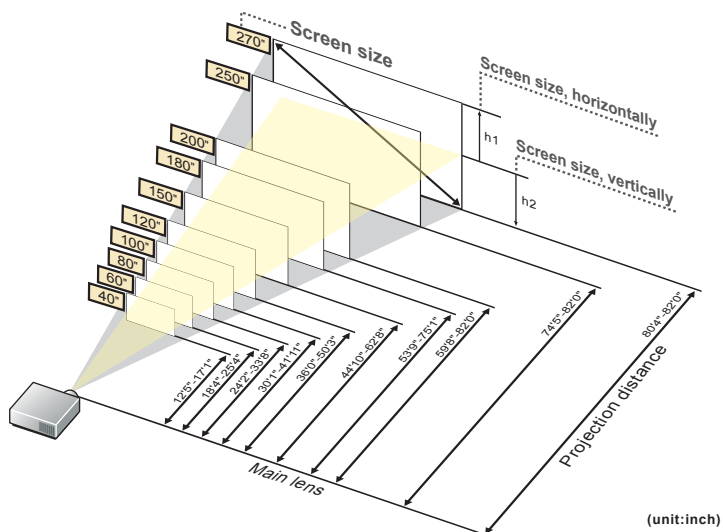
[For the 4:3 ratio]



4:3											
Screen size	inch				40"	50"	60"	70"	80"	90"	100"
Screen size, horizontally	inch				2'8"	3'4"	4'0"	4'8"	5'4"	6'0"	6'8"
Screen size, vertically	inch				2'0"	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"
Projection distance (Shortest to longest)	inch				11'6"-15'9"	14'2"-19'6"	16'10"-23'4"	19'7"-27'2"	22'3"-30'11"	25'0"-34'9"	27'8"-38'6"
h1=h2	inch				10'0"	13'0"	16'0"	19'0"	2'0'0"	2'3'0"	2'6'0"
Screen size	inch	110"	120"	130"	140"	150"	160"	170"	180"	190"	200"
Screen size, horizontally	inch	7'4"	8'0"	8'8"	9'4"	10'0"	10'8"	11'4"	12'0"	12'8"	13'4"
Screen size, vertically	inch	5'6"	6'0"	6'6"	7'0"	7'6"	8'0"	8'6"	9'0"	9'6"	10'0"
Projection distance (Shortest to longest)	inch	30'5"-42'4"	33'1"-46'2"	35'10"-49'11"	38'6"-53'9"	41'3"-57'6"	43'11"-61'4"	46'8"-65'2"	49'4"-68'11"	52'1"-72'9"	54'9"-76'7"
h1=h2	inch	29'0"	3'0'0"	3'3'0"	3'6'0"	3'9'0"	4'0'0"	4'3'0"	4'6'0"	4'9'0"	5'0'0"
Screen size	inch	210"	220"	230"	240"	250"	260"	270"	280"	290"	300"
Screen size, horizontally	inch	14'0"	14'8"	15'4"	16'0"	16'8"	17'4"	18'0"	18'8"	19'4"	20'0"
Screen size, vertically	inch	10'6"	11'0"	11'6"	12'0"	12'6"	13'0"	13'6"	14'0"	14'6"	15'0"
Projection distance (Shortest to longest)	inch	57'6"-80'4"	60'3"-82'0"	62'11"-82'0"	65'8"-82'0"	68'4"-82'0"	71'1"-82'0"	73'9"-82'0"	76'6"-82'0"	79'2"-82'0"	81'11"-82'0"
h1=h2	inch	5'3'0"	5'6'0"	5'9'0"	6'0'0"	6'3'0"	6'6'0"	6'9'0"	7'0'0"	7'3'0"	7'6'0"



[For the 16:9 ratio]



16:9											
Screen size	inch				40"	50"	60"	70"	80"	90"	100"
Screen size, horizontally	inch				2'11"	3'8"	4'4"	5'1"	5'10"	6'6"	7'3"
Screen size, vertically	inch				1'8"	2'1"	2'5"	2'10"	3'3"	3'8"	4'1"
Projection distance (Shortest to longest)	inch				12'5"-17'1"	15'4"-21'3"	18'4"-25'4"	21'3"-29'6"	24'2"-33'8"	27'2"-37'9"	30'1"-41'11"
h1=h2	inch				9'8"	10'3"	12'7"	1'5'2"	1'7'6"	1'10'1"	2'0'5"
Screen size	inch	110"	120"	130"	140"	150"	160"	170"	180"	190"	200"
Screen size, horizontally	inch	8'0"	8'9"	9'5"	10'2"	10'11"	11'8"	12'4"	13'1"	13'10"	14'6"
Screen size, vertically	inch	4'6"	4'11"	5'4"	5'9"	6'2"	6'6"	6'11"	7'4"	7'9"	8'2"
Projection distance (Shortest to longest)	inch	33'1"-46'1"	36'0"-50'3"	39'0"-54'4"	41'11"-58'6"	44'10"-62'8"	47'10"-66'9"	50'9"-70'11"	53'9"-75'1"	56'8"-79'2"	59'8"-82'0"
h1=h2	inch	2'3'0"	2'5'4"	2'7'9"	2'10'3"	3'0'8"	3'3'2"	3'5'7"	3'8'1"	3'10'6"	4'1'0"
Screen size	inch	210"	220"	230"	240"	250"	260"	270"			
Screen size, horizontally	inch	15'3"	16'0"	16'9"	17'5"	18'2"	18'11"	19'7"			
Screen size, vertically	inch	8'7"	9'0"	9'5"	9'10"	10'3"	10'8"	11'0"			
Projection distance (Shortest to longest)	inch	62'7"-82'0"	65'7"-82'0"	68'6"-82'0"	71'5"-82'0"	74'5"-82'0"	77'4"-82'0"	80'4"-82'0"			
h1=h2	inch	4'3'5"	4'5'9"	4'8'4"	4'10'8"	5'1'3"	5'3'7"	5'6'2"			