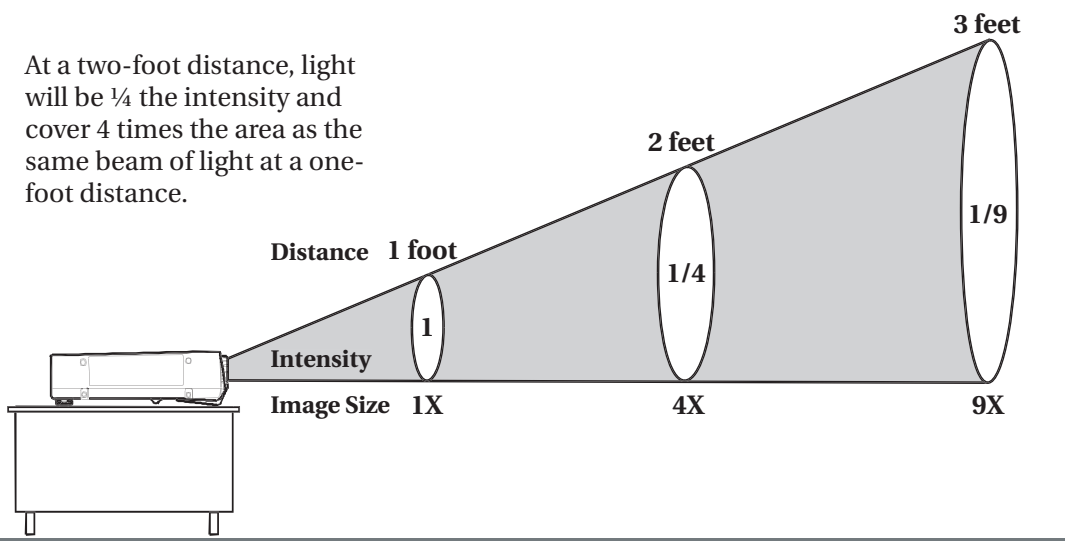


## What is projector “throw distance” and how can I find out the throw distance of an Epson projector?

To set up a projector properly requires an understanding of where to position the projector relative to the screen. Putting the projector too far away makes the image too large and faint. Placing the projector too close to the screen makes the image too small. A projector’s throw distance is a calculation that gives you the optimum distance for placing your projector.

### Did You Know?

The basic rule is that light intensity decreases in inverse proportion to the square of the distance.



So how do you determine your optimal throw distance? Whether you are presenting in a classroom, conference room, training room, or auditorium, you will need to know one of these two things in order to correctly position the projector:

**Screen Size** — Once you know your room size and layout, you will need to know the size of the screen. If the room you are presenting in has a built-in screen, measure the dimensions of the screen, including the diagonal (corner to corner). This will determine where to position your projector to adequately fill the screen. If the room layout does not accommodate the throw distance you need, one alternative is to use a projector with a replaceable lens that will provide either a longer or shorter throw distance than the standard lens allows.

**Throw distance** — If you know the throw distance you require (based on the room layout) and what the projector can handle, you can easily calculate the optimal screen size using the chart below. Basically, the longer your throw distance, the larger your screen size will be.

### EPSON PowerLite 51c/71c

#### Screen size:

<b>Wide</b>	36"	71"	105"	140"	175"	210"	279"	313"	348"
<b>Tele</b>	29"	58"	87"	116"	144"	173"	231"	260"	305"
<b>Distance</b>	4.2'	8.3'	12.5'	16.7'	20.8'	25'	33.33'	37.5'	41.7'