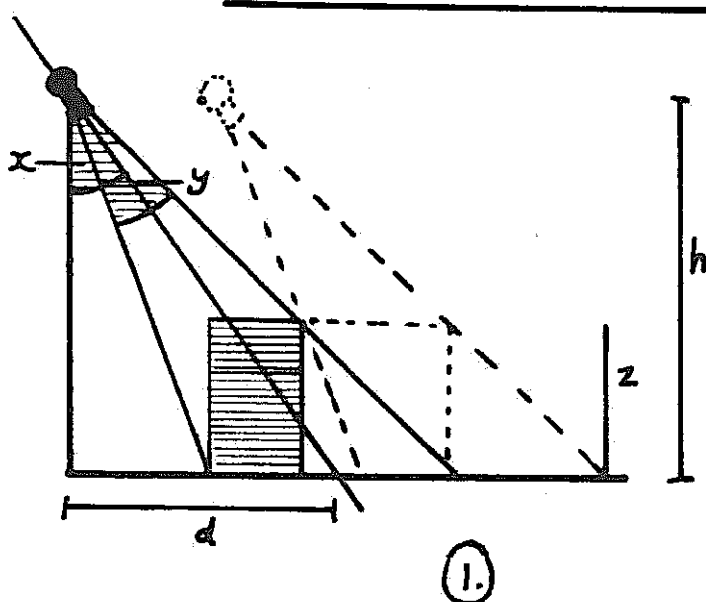


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### Technical Data POSITIONING OF LUMINAIRES

Luminaires should be positioned around and over the acting area and so directed that they illuminate the scene without distracting the audience. Ideally, lighting should be directed onto a given section of the acting area from two different positions. The accompanying illustration (Fig. 1) gives some basic data for determining the position and quantity of units.

### SIMPLE STEPS TO FIXED SPOTLIGHT POSITIONS.



### ELEVATION

In order to create best lighting effect on acting area, angle of spotlight ( $x$ ) must be between  $30^\circ - 60^\circ$ .

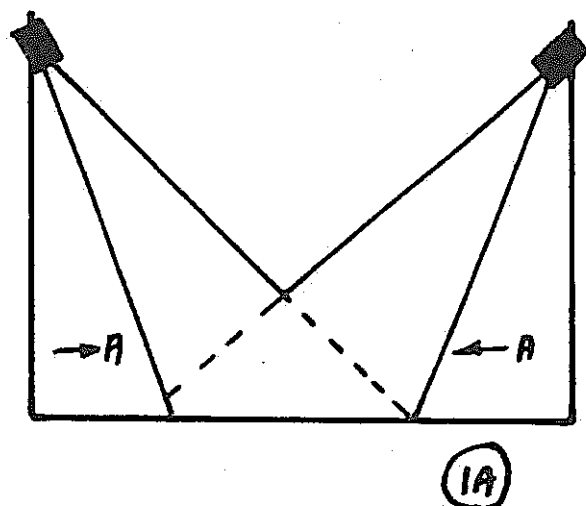
Height ( $h$ ) relative to distance ( $d$ ) (from centre line of acting area) determines effective throw of spotlight

Spotlight beam angle ( $y$ ) and effective throw determine beam spread (coverage of acting area)

Shaded area represents spotlight beam coverage up to a height of  $Z$  in which performers will be illuminated to increase coverage add spotlights.

Note:

If audience on more than one side, increase spotlight positions to suit (1a)

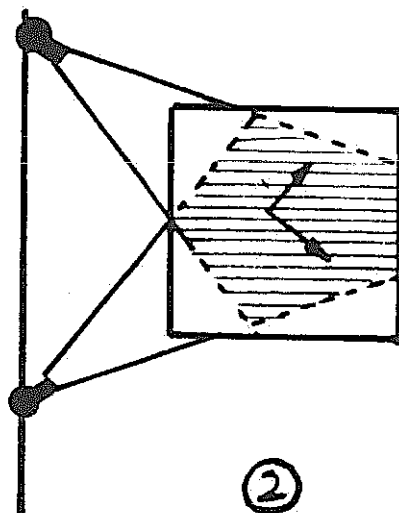


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### Technical Data

### PLAN



Angle spotlights to throw shadows away from centre of area.

As elevation beam spread is determined by throw and beam angle, if area to be covered increases in size, open beam angle, or add extra spotlights (2a)

Note:

Always try to light area from at least two directions to provide contrast and emphasise outline.

