

Studio Spot Lights

50-70-100 and 200 Amperes

Kliegl high power spot lights are practically standard in all American studios. They are advantageously used for long throws, intense spot lighting, back lighting, and directive or follow-up flood lighting. Many effects are secured by the use of mediums, screens, and iris shutters which fit into the slide grooves with which all Kliegl spot lights are provided. Perhaps the most common studio use of the spot light is for so-called back lighting or illumination of the back of the head and body of performer from some usually elevated point behind the setting, for the purpose of giving greater depth to the picture. They are also used for cross lighting, that is, spotting or flooding from the sides or wings of a setting to eliminate facial shadows.



Fig. 9R.
70 Amp. Spot Light.

Fig. 9R illustrates the new 70 ampere lamp which is perhaps the most generally used in the studio. In general appearance it is similar to the standard Kliegl spot light except that it is of larger size and increased weight, to facilitate the necessarily larger lamp of greater capacity and provided with larger rheostat and switch. The special hood construction of the 70 ampere machine is shown in Fig. ALA. Note that the front, rear and base of the hood are a one piece aluminum casting, the lamp slide rails being cast integral with the base. This arrangement makes a much more substantial hood and better and simpler lamp mounting. The arc lamp is also of a new and advanced design more suited to the service required in the studio. See Fig. 413, page 80. A further important improvement and necessity in the higher powered spot lights is the increased ventilation of the hood and particularly the condensing lens. In the new Kliegl patented lens-mounting the lens is set in a separate aluminum ring in which it is supported at only three points, with free air space all around it. This permits the maximum ventilation and unrestricted expansion of the glass and prevents breakage.

Fig. 9R is provided with a 6-inch lens, extra heavy and substantial hood swinging arrangement for both vertical and side adjustments. The wrought iron stand is provided with enclosed rheostat, having a single pole switch so rheostat can be used at 35 or 70 ampere, main switch and 25 ft. flexible approved stage cable.

Fig. 19 illustrates our typical 100 ampere Spot Light. Heavier in construction throughout, the arc lamp has special adjustment handles in the rear hood. The lens is 8 inches in diameter and laid in an asbestos ring. The hood is provided with novel adjustment device which allows the hood to be clamped at any angle of inclination, by simply fastening

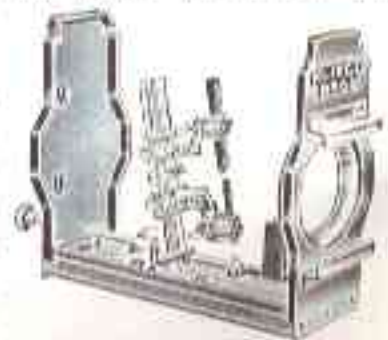


Fig. ALA.