

RANK STRAND ELECTRIC

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INSTRUCTION LEAFLET

PATT.123 250/500 W FRESNEL SPOT

PACKING & ASSEMBLY

To ensure that the Fresnel lens is not damaged by rough handling during transit, the lens is not fitted but is packed on a piece of resilient foam in the colour frame runners. To fit the lens, first discard the foam and place the lens on one side; then press the recessed thumb catch at the top of the spotlight and hinge open the front casting.

Inside the curvature of this casting there are four equally-spaced, shaped bosses each with a flat spring secured by a self-tapping screw. Remove any two adjacent spring clips, slide the lens (with the concentric risers to the outside) under the two remaining spring clips and then secure by replacing the two clips previously removed.

Note: *The gap between the lens and the aperture in the casting is intentional and essential for ventilation.*

LAMPS

Base-down burning projection lamps; P28 (medium prefocus) base; Specify voltage when ordering.

500-watt British lamp: Ref. T/1 or International Philips 559C

500-watt (120V only): American Code 500T20/47

250-watt British lamp: Ref. T/3 or International Philips 558C

250-watt (120V only): N. American Code 250T20/47

500-watt* British Lamp: Ref. T/7

250-watt* British Lamp: Ref. B1/7

(*Lamps for extended (800 hour) life with consequential reduced output.)

Insert lamp into holder with wide fin on base coinciding with wide

opening on lamp holder. Press lamp down against centre spring contact and rotate clockwise as far as it will go (90°)

MOUNTING

This spotlight is supplied with a $\frac{3}{8}$ " Whitworth bolt, washer and wingnut for suspension by a Ref.483 Hook Clamp from $1\frac{7}{8}$ " or 50 mm. external diameter pipe. The washer should be placed between the wingnut and the Hook Clamp. If required, the bolt can be discarded and replaced by a Ref.592 $1\frac{1}{8}$ " dia. TV spigot for a Ref. 594 TV hook clamp. The spotlight must always be mounted so that the lampholder is below the lamp glass envelope. If mounting on a telescopic stand is required, the tilting fork must be reversed so that the lamp remains base down. A Ref.484, $\frac{3}{8}$ ", spigot adaptor will be required to screw over the bolt.

The suspension bolt, or spigot, must always be vertical as otherwise the strands of the lamp filament could short-circuit.

ADJUSTMENT

Light up. Adjust slide-focussing knob underneath the spotlight to provide the beam spread required: towards the lens for greater spread, away from the lens for higher intensity over a smaller area. The soft-edges of the beam can be contained and roughly shaped by the addition of a Ref.131 Four-door rotatable barndoor attachment which slides into the front colour-frame runners.

COLOUR FRAME

One metal colour-frame for 'Cinemoid' colour filter is supplied. This has integral spring clips which engage under the slide colour-frame runners. Additional frames (Ref.401) can be purchased if required.

MAINTENANCE

The reflector should be polished with a soft cloth prior to re-lamping. The lens, when cold, should be cleaned with a damp cloth, especially the concentric risers on the front of the lens. If spare parts are required use the following reference numbers:

Patt. 123 6" dia. Fresnel lens:	Ref. 503
Patt. 123 $4\frac{1}{2}$ " dia. polished reflector:	Ref. 435
Lampholder, medium pefocus (P.28):	Ref. 493
Patt. 123 colour frame:	Ref. 401

Issue 2/7/102

Publication: 123-030

