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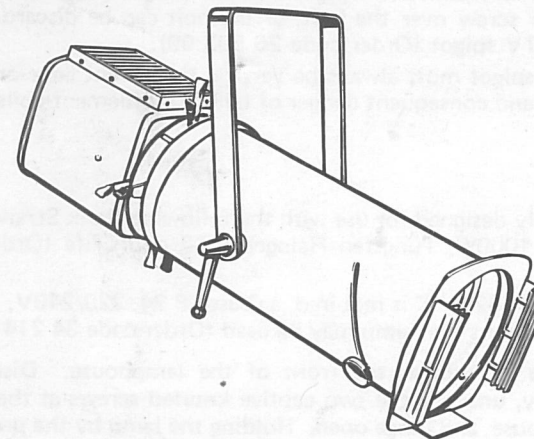
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INSTRUCTION LEAFLET



PATT.774 PROFILE SPOT

1000 W TUNGSTEN HALOGEN

1. BEAM SPREAD : 10°30' max.

2. CONNECTIONS

The short length of high-temperature three-conductor flexible cable fitted to the lantern must be connected to the supply by means of a plug and socket. Connect the brown conductor to the live pin of the plug, the blue conductor to the neutral (or return), and the green-yellow conductor to the 'earth' pin of the plug.

When replacing or renewing this flexible cable, use a similar or equivalent high-temperature cable and connect the conductors in exactly the same colour-order to the terminal block inside the lantern. To gain access to the terminal block, remove the screw securing the cable clamp, unscrew the four screws in the extreme corners of the slotted plate on the underside of the lamphouse, remove the plate with the lamp-holder and terminal block mounted on it, drawing out the cable and clamp in order to do so. The procedure for removing the old cable and replacing it with the new will then be self-evident.

3. MOUNTING

This spotlight is supplied with a ½" Whitworth bolt, washer and wing nut for suspension by a Hook Clamp (Order code 26 483 07). The washer should be placed between the wing nut and the Hook Clamp. If required, the bolt can be discarded and replaced by a 1 ⅛" dia. TV spigot (Order code 26 593 09) for a TV Hook Clamp (Order code 26 594 04).

If mounting on a telescopic stand is required, the fork must be reversed so that the lamp remains **base down**. The hinge bolt and clamp can be unscrewed and removed to achieve the reversal. A ½" spigot adaptor (Order code 26 487 09) will also be required to screw over the bolt, or the bolt can be discarded and replaced by a 1 ⅛" dia. TV spigot (Order code 26 593 09).

The suspension bolt or spigot must always be vertical to prevent edge-on burning of the lamp filament and consequent danger of failure by filament coils short-circuiting.

4. LAMPS

The spotlight is specially designed for use with the following Rank Strand lamp: Class T/9, 220/240V, 1000W, Tungsten Halogen, -400 hours life (Order code 34 206 06).

If a colour temperature of 3200°K is required, a Class CP 24, 220/240V, 1000W, Tungsten Halogen, 150 hours life, lamp may be used (Order code 34 214 02).

Access for lamping up is through the front of the lamphouse. Disconnect lantern from the supply, unscrew the two captive knurled screws at the top of the front of the lamphouse, and hinge open. Holding the lamp by the protective cover in which it is supplied, insert the pins into the lampholder sockets and press firmly home. Remove the protective cover. Close the front, screw the knurled fixing screws home and then reconnect to the supply. Do not handle the quartz lamp bulb as finger prints may cause de-vitrification of the quartz and premature lamp-failure.

5. ADJUSTMENT

Light up and hard focus the lens-front to give a square beam shaped by the four masking shutters (those with black knobs). Then withdraw the shutters, leaving the maximum aperture which is a circle. Adjust the lamp for best beam distribution by means of the inner two of the four screws situated at the back of the slotted plate on the underside of the lamphouse, and then set the shutters to give the desired beam shape, and re-focus.

The lantern is fitted with a second set of shutters with serrated edges and red knobs. These shutters enable any or all of the four sides of a quadrilateral beam to be soft or diffuse focussed, whilst the remainder are hard focussed. This facility is particularly useful for joining adjacent beams or masking light from prosceniums, pelmets, orchestra pits, flats etc. Shutters not being used should be completely withdrawn.

For circular beams, insert an iris-diaphragm (Order code 23 625 04) into the runners attached to the front of the shutter assembly, and re-focus.

The runners attached to the front of the shutter assembly can also be used for purpose-made metal masks for special beam shapes.

6. TILT LOCKING HANDLE

The lever handle fitted to this lantern may be rotated to any convenient operating or parking angle by pulling it out against the spring concealed in the centre boss and turning the lever to the desired position; simultaneous pressure of the thumb on the centre will assist this action. Releasing the lever will enable the internal operating splines to re-engage at the desired position.

To ensure efficient locking, check that the cross pin in the locking bolt is properly located in the slot in the trunnion.

7. COLOUR FRAME

One metal frame for 'Cinemoid' colour filters is supplied. Additional frames (Order code 27 632 00) can be purchased if required.

8. MAINTENANCE

When replacing a lamp and after the faulty lamp is removed, polish the reflector with a soft cloth.

If cleaning the reflector becomes necessary before lamp replacement is due, first remove the lamp, handling it only by the ceramic base; after cleaning the reflector and replacing the lamp, polish off any finger or hand prints accidentally left on the bulb.

To clean the lenses, unscrew and remove the focussing knobs, and withdraw the lens-tube. If the lenses are removed from the tube for polishing both sides or washing in warm water, re-assemble them in the tube with the curved surfaces facing each other.

9. SPARES

ORDER CODE

Lens 8" dia. x 26" focus plano convex:	27 704 04
Reflector — faceted polished and anodized:	27 624 04
Lampholder GX 9.5:	27 734 06
Colour frame 8½" x 8½":	27 632 00
Terminal block — 3 way porcelain:	27 689 05
Lamps: 1000 watt Class T/9, GX 9.5 base, 400 hour:	34 206 06
1000 watt Class CP/24, GX 9.5 base, 150 hour:	34 214 02