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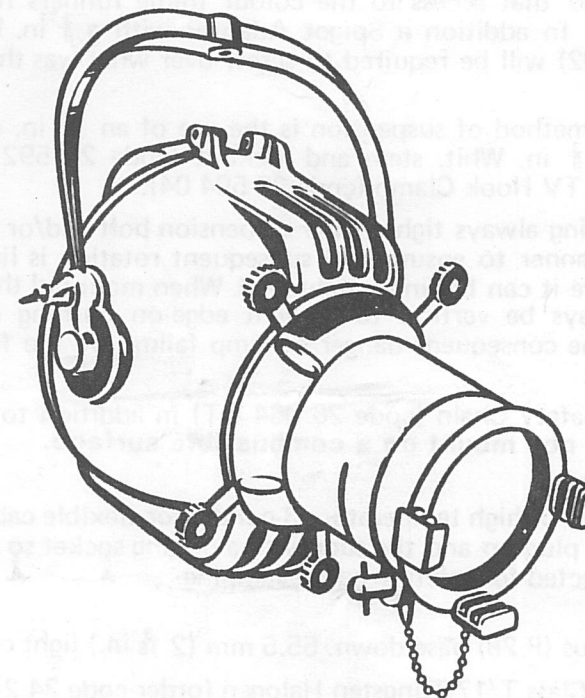
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INSTRUCTION LEAFLET



PATT. 23
500w

PROFILE SPOT

Order Code: 20 01 003

1. BEAM SPREAD (largest circular, hard focused)

Cut-off angle: 30° max.

½ peak angle: 18° max.

2. MOUNTING

This unit is supplied with a $\frac{3}{8}$ in. Whitworth bolt, washer and wingnut for compact suspension by a Hook Clamp (order code 26 483 07). The washer should be placed between the Hook Clamp and the wingnut. If mounting on a Telescopic Stand (order code 26 626 09) is required then the fork must be reversed so that the lampholder remains below the lamp envelope and so that access to the colour frame runners remains from above the unit. In addition a Spigot Adaptor with a $\frac{3}{8}$ in. Whit. thread (code 26 484 02) will be required to screw over what was the suspension bolt.

An alternative method of suspension is the use of an $1\frac{3}{8}$ in. diameter TV Spigot with a $\frac{3}{8}$ in. Whit. stem and locknut (code 26 592 03) in conjunction with a TV Hook Clamp (code 26 594 04).

Prior to mounting always tighten the suspension bolt and/or spigot to the fork with a spanner to ensure that subsequent rotation is limited to the one point where it can be finger-tightened. When mounted the suspension bolt must always be vertical to prevent edge-on burning of the lamp filament and the consequent danger of lamp failure by the filament coils short-circuiting.

Always use a Safety Chain (code 26 064 OT) in addition to the primary suspension. **Do not mount on a combustible surface.**

3. CONNECTION

The short length of high temperature 3-conductor flexible cable should be connected to a plugtop and the supply to a mating socket so that the unit can be disconnected for safety when re-lamping.

4. LAMPS

Medium Prefocus (P.28) base down. 55.5 mm ($2\frac{3}{16}$ in.) light centre length.

500-watt 240v Class T/17 Tungsten Halogen (order code 34 217 09)

500-watt 240v Class T/1 (order code 34 111 1T)

500-watt 120v N.American code 500T20/48, or BTL

Disconnect from supply before lamping, or re-lamping.

Insert lamp into holder with wide fin on base coinciding with wide slot on lampholder; press lamp down against centre spring contact and rotate clockwise through 90°. Remember to reconnect after lamphouse has been closed.

Quartz envelope tungsten halogen lamps all remain hot for a considerable period after switching off, or failure, and are dangerous to handle in this condition. Allow to cool for at least five minutes before removing using a dry cloth.

5. ADJUSTMENT

Ensure the suspension bolt is vertical, then light up and direct the spotlight to the area to be lit. Adjust the four beam-shaping shutters to form the maximum-size square and then adjust the front lens tube for a hard edge to the beam. Re-adjust the four shutters to the beam shape required, the top shutter changes the bottom of the projected beam; the right hand shutter the left hand side of the beam. Refocus, or de-focus, if necessary.

For various circular beams an Iris Diaphragm (code 23 363 09) can be inserted into the gate runners just forward of the shutters. These runners can also be used for pattern masks (five different plus one blank code 23 748 OT) or purpose-made masks cut out of thin metal.

6. COLOUR FRAME

one 100mm (4 ins.) colour frame for 'Cinemoid' is supplied in the same carton.

7. CONVERSION LENSES

Where a wider spread, or a narrower but higher intensity spread, is required the following conversion lenses are available:

To increase to 40° max. spread:

Insert additional 90 x 125mm ($3\frac{1}{2}$ x 5 in.) plano-convex lens (code 27 310 01) under the fixed-aperture diaphragm at the rear of the lens tube.

To convert to 35° max. diffused edge:

Discard existing lens and substitute 90mm diameter short-focus step lens (code 27 411 01).

To decrease to 14° max. spread:

Discard existing lens tube and substitute Conical Narrow Angle lens front (code 23 355 02).

8. MAINTENANCE

The reflectors should be polished with a dry soft cloth prior to re-lamping, or more frequently if the spotlight is used only occasionally. The lens, when cold, should be cleaned with a damp cloth.

9. SPARES

Additional 100 mm (4 in.) square colour frame:

Spare 90 x 125 mm ($3\frac{1}{2}$ x 5 in.) plano-convex lens:

(See Conversion Lenses for other lenses).

Spare faceted rear reflector:

Spare front reflector:

Spare medium prefocus (P.28) Lampholder:

ORDER CODE

27 359 OT

27 310 01

27 357 09

27 358 04

27 493 00