

## Colour Frame

The double colour frame runners are within the housing and a swing safety catch is provided over the top-access slot.

One metal colour frame, 165mm square, for 'Cinemoid' is supplied. Additional frames (code 27 792 03) can be purchased if required.

## Maintenance

Full length internal access is provided by temporary removal of the entire top pressing which is secured, at the extremities, by recessed-head screws.

## Accessories

Spare quick-change lampholder assembly, including cable 27 795 0T

Set of three different aperture masks, 23 791 08

Additional metal colour frame, 165mm square, 27 792 03

## Rank Strand Electric

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# Tspot

## 1000 WATT TUNGSTEN HALOGEN

### Beam Spread

#### T-64

Cut-off angle 22° maximum  
 $\frac{1}{2}$  peak angle 16° maximum

#### T-54

Cut-off angle 30° maximum  
 $\frac{1}{2}$  peak angle 24° maximum

The beam spread of the T-54 model can be increased to 38° maximum cut-off, 32° maximum  $\frac{1}{2}$  peak by substituting a different internal supplementary lens.

Temporary Instruction Leaflet

## Mounting

This spotlight has alternative tilt positions to suit different mounting positions and weight distribution changes caused by the addition of colour change accessories. A recessed-head type screwdriver is all that is required to change the two large diameter tilt clamping discs from one position to the other.

The fork is supplied with a  $\frac{1}{2}$ -in. Whitworth bolt, washer and wingnut for compact suspension by a Hook Clamp (order code 26 483 07) from a horizontal 48mm external diameter pipe. The washer should be placed between the Hook Clamp and the wingnut. An alternative method of suspension is the use of an  $1\frac{1}{8}$ -in. diameter TV spigot with a  $\frac{1}{2}$ -in. Whit. stem and locknut (code 26 593 09) in conjunction with a TV Hook Clamp (code 26 594 04).

For mounting from a vertical 48mm ext. dia. pipe use a Boom Bracket (code 26 255 07); for ceiling mounting use a Ceiling Fixing Saddle (code 26 259 09).

If mounting on a Telescopic Stand (code 26 626 09) is required then the fork must be reversed so that the lampholder and cable exit is below the spotlight. In addition a Spigot Adaptor with a  $\frac{1}{2}$ -in. Whit. thread (code 26 487 09) will be required to screw over what was the suspension bolt.

Always use a Safety Chain (code 26 064 0T) in addition to the primary suspension.

## Connections

The length of special high temperature three-conductor flexible cable fitted to the spotlight must be connected to the supply by means of a local plug and socket. Connect the brown conductor to the Live pin of the plugtop, the blue conductor to the Neutral pin and the green/yellow conductor to the Earth pin of the plugtop.

## Lamps

GX9.5 base down. 55mm light centre length.

1000-watt 240v Class T/9 (order code 34 206 06)

1000-watt 240v Class T/11 (order code 34 206 14)

Always separate the local plug and socket to personally ensure that the supply is disconnected before lamping, or re-lamping. Then turn the two toggle fasteners, adjacent to the cable exit, and withdraw the lampholder assembly. Do not directly handle the envelope of the tungsten halogen lamp as finger prints may cause de-vitrification of the quartz and cause premature lamp failure. Use the protective cover supplied by the lamp manufacturer, insert the pins into the sockets and press firmly home. Remove the lamp protective cover and replace the lampholder assembly inserting the guide tongue into the internal mating socket which is parallel to the rear of the spotlight. Secure both toggle fasteners. Only then should the local connectors be mated.

If local regulations require that internal access must require the use of a tool, the toggles can be removed by prising apart with a pair of pliers. Subsequently a screwdriver will be necessary to operate the fasteners.

Quartz envelope tungsten halogen lamps 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.

The availability of a spare lampholder assembly (order code 27 795 0T) allows a new lamp to be substituted quickly without upsetting the orientation or the adjustments of the spotlight.

## Adjustment

First ensure that the suspension bolt is vertical and that the lampholder, and therefore cable exit, is below the spotlight housing and handle.

Then light up and withdraw both sets of four beam shaping shutters to their full extent. Direct the beam, as required, and adjust the lens, by the large locking knob underneath the spotlight, to obtain a circular beam with hard edges. Check the beam distribution - the lampholder is jig-set at the time of manufacture but fine adjustments may be necessary to accommodate the tolerances of each individual lamp. These fine adjustments are obtained by the three slotted-head screws to be found externally on the lamptray.

For a hard-edged beam ensure that the front set of shutters are withdrawn to their full extent and then use only the rear set of four shutters to shape the beam - the bottom shutter knob affects the top of the projected beam, the right hand shutter the left hand side of the beam. Refocus as necessary.

A soft edged, shaped beam is obtained in exactly the same way but the aperture formed by the rear shutter blades is soft focussed, rather than hard focussed.

For a mixture of hard and soft edges withdraw the rear set of shutters to their full extent and use the appropriate front shutters, hard focussed, to obtain the hard-edges for precise cut-off, and then use the appropriate rear shutters to shape the remaining soft edges of the beam so that they can merge into the remainder of the lighting. Please note that, unlike previous Rank Strand Bifocal Spots, the two sets of shutters are identical and the rear set are used for either hard or soft edged beam shaping - only when mixed edge quality is required are the front set used for the hard-edge components.

For hard or soft edged circular beams, different from the maximum spread, insert one of the three different aperture masks, that are available (code 23 791 08), into the top-access gate runners.