



# STRAND

## REGIONAL OFFICES AND ASSOCIATE COMPANIES

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# STRAND

## INSTRUCTION LEAFLET

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# STRAND 833

# 500W FRESNEL SPOT

## MOUNTING

This luminaire is supplied with a  $\frac{3}{8}$ -in. Whitworth bolt, two washers and a wingnut for compact suspension by a Hook Clamp (order code 26 483 07). One washer should be assembled between the bolt head and the tapped hole in the suspension fork. The other washer should be placed between the Hook Clamp and the wingnut. If mounting on a Telescopic Stand (order code 27 896 09) is required then the fork must be reversed so that the lamp-holder 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.

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 0T) in addition to the primary suspension. Do not mount on a combustible surface.

A small-mesh wire lens guard is available as an accessory (code 27 885 02) to fit into the rear set of colour frame runners. A lens guard may be required by local regulations and is recommended as a sensible safety precaution wherever a lens failure would constitute a hazard. The lens is of heat-resisting borosilicate glass.

## 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.

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.

## LAMP

Medium Prefocus (P.28) base down  
55.5mm light centre length with 102mm max. dia. envelope.

500-watt maximum, 115/120v, 220, 240v Class T/1, or equivalent  
9,500 nominal lumen output, permissible tilt  
base down  $\pm 90^\circ$ . Objective life 200 hour.  
500W 240v Class T/1 order code 34 111 1T

Before lamping, or re-lamping, always separate the local connectors in the flexible cable to personally ensure that the supply is disconnected.

Lamp access is provided by temporary removal of the top cover which is secured by two screws at the rear which, when released, allow the cover to be first slid rearwards (releasing the front, internal lip) and then lifted upwards. Insert the lamp into the holder with the wide fin of the lamp base coinciding with the wide slot of the lamp-holder; press down against centre spring contact and rotate clockwise through  $90^\circ$ .

Remember to reconnect after the top cover has been replaced and secured.

## ADJUSTMENT

Ensure the suspension bolt is vertical, then light up and direct the unit to the area to be lit. Adjust the slide-focusing knob underneath the unit to provide the beam spread required - towards the lens for greater spread, away from the lens for higher intensity over a smaller area. If necessary the soft edges of the beam can be contained and roughly shaped by the addition of a four-door rotatable Barndoor Attachment (code 23 894 09). This barndoor has three mounting clips, two of which are rigid and the third sprung. To attach first insert the sprung clip into the front aperture of the luminaire, then press against the spring which will then allow the other two clips to be engaged in the aperture. When the spring is released the attachment will be attached but can be rotated. Clip the sprung catch of the safety wire through the hole provided adjacent to the access to the colour frame runners.

## COLOUR FRAME

One 165mm ( $6\frac{1}{2}$ -in) square metal colour frame for either 'Cinemoid' or thin-film, high temperature 'Chromoid' colour filter is supplied. The colour frame runners are within the luminaire with a spring catch to ensure retention and safety when used near vertical.

'Cinemoid' colour filter should be cut slightly smaller than the frame and inserted between the two plates of the colour frame.

'Chromoid' filter should be cut oversize and the excess wrapped around the edges of the flat, back plate which is then inserted in the grooves of the front plate. 'Chromoid' is recommended for onerous duty, i.e. saturated colours at narrow focus, or when the luminaire is directed above horizontal.

Additional colour frames can be purchased (code 27 792 17).

## MAINTENANCE

The lens, when cold, should be cleaned with a damp cloth, especially the concentric risers on the front of the lens. The lens can be removed for cleaning by releasing the retainers from inside the lamphouse.

## REAR HANDLE ACCESSORY

If required a rear, grab handle can be added to this spotlight. This accessory has the order code 27 857 79 and fits vertically to the right hand side when facing the rear. The necessary fixing holes are provided and the screws already in these holes need to be reversed to mate with the thread-inserts in the grab handle.

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