

Prelude 28/40

Prelude 16/30

Do not discard carton before locating the LAMP and the POWER CABLE which are all packed within the one, outer carton.

MOUNTING

This spotlight is supplied with an M.10 Bolt, Washer and Wingnut for compact suspension by a Hook Clamp (order code 26 483 07). The washer should be used immediately below the wingnut. An alternative method of suspension from 48mm ext. dia. pipe is the use of an 1-1/8-in. dia. TV spigot with M.10 stem and locknut (order code 26 869 03) in conjunction with a TV Hook Clamp (code 26 594 04). There are also a variety of other mounting brackets (with M.10 metric threads and stems where necessary) for fixing to either horizontal or vertical surfaces or 48mm pipe. Whichever method of suspension is used the access to the colour frame runners, and the spring safety clip, must remain at the top – this will ensure that the lamp filament is above the lamphouse.

Do not mount on, or near, a combustible surface. In the most onerous conditions of use parts of the housing can reach up to 165°C after prolonged use (all operator controls are heat-insulated).

In addition to the primary suspension always use a safety chain (order code 26 064 18); this has a second clip-hook to engage in the safety bond anchorage specially provided on this spotlight. The other end of the safety chain should be secured so that there is just sufficient free length to allow swivel and tilt adjustments. Any safety chain which has been stressed by fulfilling its function (or had been mis-used) must be discarded, and replaced, if either the links or hooks have been deformed.

A 25mm mesh Lens Guard is available (code 27 228 08); this 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. The Lens Guard fits behind the colour frame runners and is automatically retained by a shaped stud in the front casting engaging in a hole in the guard backplate. In addition a screw is provided to engage in a tapped hole in the casting to satisfy the requirement (in some countries) that removal should require the use of a tool.

If mounting on a Telescopic Stand (code 26 896 09) is required then the fork must be reversed so that colour frame access and safety clip remains from above. In addition a Spigot Adaptor with an M.10 thread (code 26 873 08) will be required to screw over what was the suspension bolt.

CONNECTION

This spotlight is supplied with a 1.5m long power cable with a moulded-on CEE.22 high temperature power socket to engage in the mating connector fitted as an integral part of the spotlight. This moulded socket has an angled cable exit to direct the toughened silicon rubber cable away from the lamphouse. A clip is provided on the fork to guide the cable, and also to prevent the cable swinging away out of reach when the connector is disengaged to gain internal access.

The lamp supplied incorporates an internal fuse but the supply should be protected by a fast-acting HBC fuse-link to BS.88 or IEC.241 if it is to be fed direct from a mains supply. Reputable Thyristor dimmer controlled circuits incorporate fuse-links of equal or better standard.

LAMP

Each spotlight is supplied with a 240V or 220V tungsten halogen lamp with a GY9.5 base and 46.5mm light centre length. For safety, the bottom rear hinged internal access to the lampholder is mechanically interlocked so that it cannot be opened without first disconnecting power by separating the CEE.22 power connector.

Do not directly handle the envelope of the tungsten halogen lamp because finger-prints can cause de-vitrification of the quartz and cause premature lamp failure. Use the protective cover supplied in the lamp carton. This lamp has a base with two unequal size pins – the larger pin needs to be on the right-hand side when facing the lens or reflector. Insert the pins into the sockets on the lampholder and press in firmly so that the bottom of the lamp base seats upon the flat top of the lampholder. After securing the hinged base with the toggle fastener at the front, remember to re-engage the power connector at the rear!

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

ADJUSTMENT

First ensure that the suspension bolt is vertical and then withdraw all four beam shaping shutters to the limit of movement. Next light up, and direct the spotlight to the area to be lit, but do not tilt upwards more than 45° above horizontal, or more than 90° below (vertical). Adjust the front lens, by releasing the front knob on the bottom of the luminaire, to the furthest forward position and similarly the rear lens towards the shutter plane until the spotlight projects a hard-edge circle. Depending on the throw distance it may be necessary to move the front lens fractionally rearwards to obtain a hard focus.

The distribution of light within the circular beam is adjustable by moving the knob recessed in the bottom hinged access; forward movement increases intensity in the centre of the beam, rearward movement increases the light towards the edges.

Next set the beam shaping shutters to produce 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 with the rear lens if necessary.

Whenever a wider spread of light is required, move the front lens rearwards, and subsequently refocus by moving the rear lens forward. Finally re-adjust for preferred beam distribution, and the rear lens for preferred edge-quality.

Procedure is the same if an Iris Diaphragm (code 23 775 21), or an intricate cut-out mask held in a Pattern (gobo) Holder (code 23 865 02), has been inserted in the gate runners, which are extended upwards to the top access just in front of the gate plane. However, to avoid significant loss of light output always use the two lenses to reduce the beam spread, rather than a small Iris Diaphragm or shutter aperture.

COLOUR FRAME

One 150mm square metal colour frame is supplied for either 'Cinemoid' sheet or thin-film, high temperature 'Chromoid'. The spring clip at the side of the colour frame runners ensures retention and safety even when used near vertical.

Additional colour frames can be purchased (code 27 260 03).

A remote controlled Colour Change Wheel (code 23 868 09), with 24V extra low voltage motor drive, is available for this spotlight.

MAINTENANCE

The reflector should be polished with a dry, soft cloth at least prior to relamping. To gain access to inner lens surface(s) it is necessary to demount the spotlight and then remove the front casting secured by four screws; this then enables the front top to be slid out. The lens, when cold, should be cleaned with a damp cloth. Any lens found damaged must be replaced. A full range of packaged spares is available for this product – an illustrated Spares Sheet to aid positive identification is available on request.

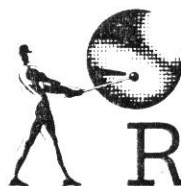
SPARE LAMPS

The re-order codes for the Rank Strand 240V or 220V 650W lamps supplied are:—

RSE.26 650W 240V	Code 34 231 00
RSE.26 650W 220V	Code 34 231 19

The following 500W lamps can be purchased for this 650/500W spotlight:—

RSE.18 500W 240V	Code 34 218 12
RSE.18 500W 220V	Code 34 218 20



Rank Strand

P.O. Box 51, Great West Road
Brentford, Middlesex TW8 9HR, United Kingdom.
Telephone 01 568 9222. Telex 27976