



SPECIFICATION

Patt 152

The effects spot shall be of aluminium double-skin construction with baffled ventilation slots. It shall contain a bipost lampholder, a spherical glass reflector, a four-element condenser lens system and a silent internal fan.

The large bipost (Bi38) porcelain lampholder with lever lock, for a 4000 watt 110 volt 4M/T32 tubular projection lamp, shall be wired in series with an anti-surge resistor mounted externally. A 6-ft. (1.8m) external length of heat resisting cable with earth/ground conductor shall be provided for the lamp circuit. The lampholder shall be mounted on a tray, capable of internal adjustment, together with a 7-in. (175mm) silvered glass spherical reflector. Lamp and internal access shall be by pin-hinged doors on both sides.

The four-element condenser lens system shall consist of a 4 1/2-in. (115mm) diameter meniscus lens and three 6-in. (150mm) diameter plano-convex lenses. In addition there shall be two areas of heat-absorbing glass made up of horizontal slats covering the whole 6-in. (150mm) diameter. The method of mounting lenses and heat-absorbing glass shall provide simple access to all lens surfaces. Runners shall be fitted for 8 x 8 1/8-in. (203 x 205mm) backplate optical effects attachments.

The silent fan shall be within the housing and shall be connected on an AC circuit separate from the lamp circuit. This accessory circuit shall also include 2 pole and earth/ground connectors for the motors of moving effects discs. Internal ducting shall be included to provide a suitable distribution of cooling air over the lamp and condensers. The effects spot shall be mounted in a rigid fork with an 1 1/8-in. diameter TV spigot for insertion in a special stand or hanging bracket. A fine thread lead-screw, with a rear crank handle, shall be provided for accurate adjustment of the angle of tilt.

The effects spot shall be supplied as follows:

Patt 152 - with a special braced telescopic stand fitted with ball castors.

Patt 152/H - with a special hanging bracket having swivel adjustment and clamps for 1 7/8-in. (50mm) external diameter pipe.

The interior of the effects spot shall be finished flat black and the exterior, stand or hanging bracket hard hammer grey.

Patt 752. As Patt 152 except:

The four-element condenser lens system shall consist of a 6-inch (150mm) diameter plano-convex lens, a 9-inch (225mm) diameter meniscus lens and two plano-convex lenses, one 10-inch (225mm) and the other 9 1/2-inch (935mm) in diameter. In addition there shall be a full aperture area of heat-absorbing glass, made up of horizontal slats, between the first and second elements.

A slide-carrier assembly shall be included, also an alternative casting containing runners for 8 x 8 1/8-inch (203 x 205mm) backplate optical effects attachments. Either of these can be secured to the lamphouse by three captive thumbscrews. The carrier for two 7 x 7-inch (180 x 180mm) slides shall be supplied with adaptors to accommodate 5 x 5-inch (130 x 130mm) slides. Two thumbscrews shall permit each slide to be rotated through 20°. The slide carrier assembly shall also include two adjustable serrated shutter combs to facilitate joining adjacent projections, also a mounting plate (only) for a ref. 393 6-inch (150mm) focus high definition objective lens.

ACCESSORIES

Ref. 522 Super silent auto-transformer, cable gland for 220/250V AC input. 4Kva at 110 volt output to 2 pole and earth/ground socket, supplied with mating plugtop. Fitted with carrying handles and hook clamps for suspension from 1 7/8-in. (50mm) ext. dia. pipe. Size 11-in. (280mm) cube. Weight 80 lb. (36 kilos).

Slide Projection Attachments

Ref. 516 Remote controlled slide change unit for six 3 1/4 x 4-in. slides with mount for ref. 393 objective.

Ref. 649 Adaptor for ref. 391 objective lens.

Ref. 648 Control Box for ref. 516.

Ref. 154 Turntable front only for ref. 155 or 156.

Ref. 156 Metal carrier for 3 1/4 x 4-in. or 3 1/2-in. slides.

High Definition Objective Lenses

Ref. 391 4-in. (100mm) focus f1.9 Dallmeyer.

Ref. 392 Lens backplate for ref. 391.

Ref. 393 6-in. (150mm) focus f1.9 Dallmeyer.

Ref. 394 Lens backplate for ref. 393.