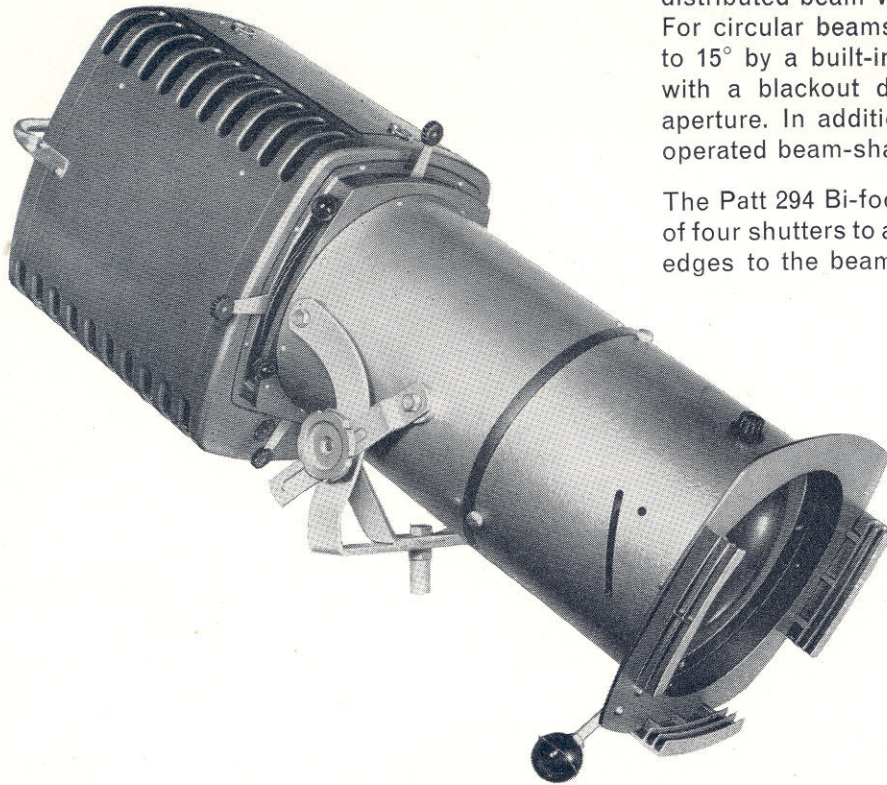




# PROFILE SPOTS

## Patt 293, Patt 294 1500/2000 Watt



The Patt 293, illustrated, is equipped for use as a follow spot and projects a high intensity evenly distributed beam with clear cut edges.

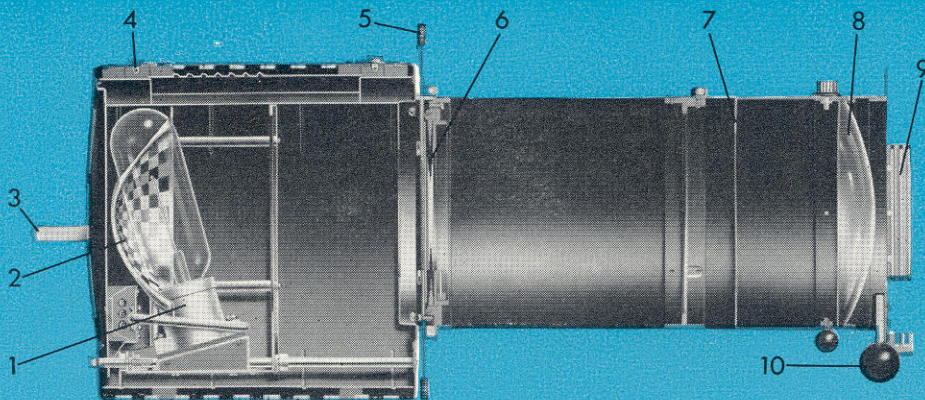
For circular beams the spread is adjustable up to 15° by a built-in 18-leaf iris diaphragm fitted with a blackout disc to obscure the smallest aperture. In addition four built-in but externally operated beam-shaping shutters are provided.

The Patt 294 Bi-focal Spot has an additional set of four shutters to allow a mixture of hard and soft edges to the beam.

*British Patent 1063392.*

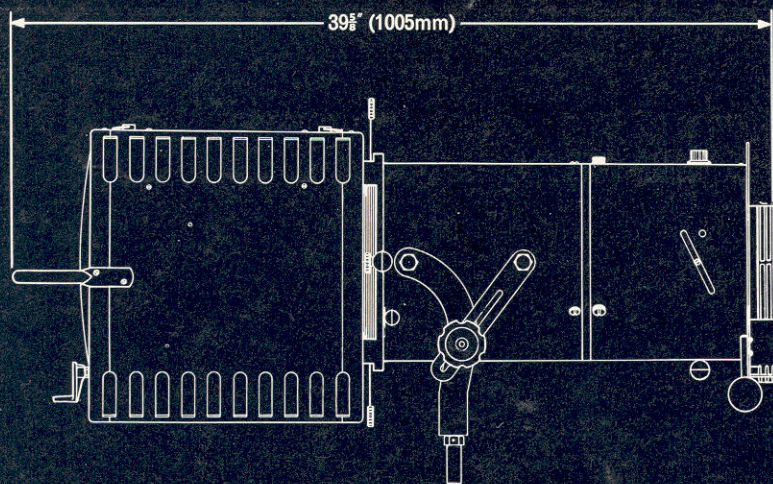
*USA Patent 3307028.*

*Foreign patents pending.*



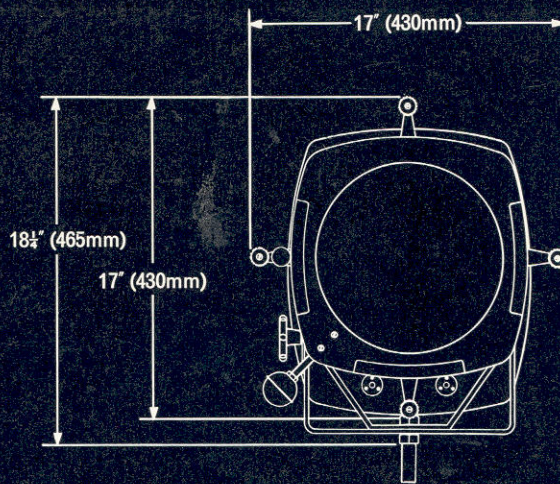
1. Pretilted large prefocus (P.40) lampholder
2. 9-in. diameter faceted ellipsoidal reflector
3. Rear handle
4. Removable top for interior access
5. Set of four built-in beam-shaping shutters

6. 18-leaf iris diaphragm and blackout disc
7. Internal lens tube with fixed diaphragm to intercept stray light
8. 10×20-in. plano-convex lens
9. Double colour frame runners
10. Front handle at right-hand side



SCALE 1:10

WEIGHT  
 Patt 293 60lb. (27.2 kilos)



## LAMPS & PERFORMANCE DATA

|                                                                                | THROW DISTANCE |        | BEAM SPREAD |        | ILLUMINATION                                   |      |                              |      |                                               |     |
|--------------------------------------------------------------------------------|----------------|--------|-------------|--------|------------------------------------------------|------|------------------------------|------|-----------------------------------------------|-----|
|                                                                                | feet           | metres | feet        | metres | 2000W 240V<br>Class A1/218<br>or Philips 7400C |      | 1500W 110V<br>Philips 13006C |      | 1000W 240V<br>Class A1/188<br>or Philips 297C |     |
|                                                                                |                |        |             |        | f.c.                                           | lux  | f.c.                         | lux  | f.c.                                          | lux |
| Pattern 293 or Pattern 294<br><br>BEAM ANGLE 15° in which intensity varies 2:1 | 40             | 15     | 10.5        | 4      | 147                                            | 1045 | 142                          | 1010 | 63                                            | 490 |
|                                                                                | 50             | 18     | 13          | 4.75   | 94                                             | 725  | 91                           | 700  | 40                                            | 340 |
|                                                                                | 60             | 20     | 15.5        | 5.25   | 65                                             | 590  | 63                           | 565  | 28                                            | 250 |
|                                                                                | 70             | 23     | 18          | 6      | 48                                             | 445  | 46                           | 430  | 21                                            | 190 |
|                                                                                | 80             |        | 21          |        | 37                                             |      | 35                           |      | 11                                            |     |
|                                                                                |                |        |             |        |                                                |      |                              |      |                                               |     |

Alternative lamp 2000 W 220v only—Radium H165Q tungsten-halogen (not stocked in U.K.)

## SPECIFICATION

### Patt 293

The spotlight shall be constructed of zinc coated steel pressings with baffled ventilation slots and aluminium alloy die-castings. It shall contain a prefocus lampholder, a faceted ellipsoidal reflector, horizontal gate runners, four externally operated beam-shaping shutters, an iris diaphragm with blackout disc and an adjustable lens.

The large prefocus (P.40) porcelain lampholder for a 1000 1500 or 2000 watt tubular projection lamp, shall be pre-tilted 15° from the vertical and shall be wired with heat-resisting cable to an internal terminal block. A strain-relief gland shall be provided for external cable.

The 9-in. (230mm) diameter faceted ellipsoidal reflector shall be of polished anodised aluminium. Interior access shall be provided by a removable top normally secured by two captive thumb fasteners.

The four beam-shaping shutters shall be of stainless steel and provided with external heat-resisting knobs. The iris diaphragm assembly shall consist of an 18-leaf iris and a blackout disc to obscure the smallest aperture. These shall be operated by separate but adjacent heat-resisting knobs at the right hand side.

The 10×20-in. (250×510mm) plano-convex lens shall be mounted in an internal lens tube with a fixed diaphragm.

This lens tube shall slide helically in four slots in the fixed outer tube and be provided with two heat-resisting knobs. Double die-cast colour frame runners shall be fitted and one 11 3/4×11 3/4-in. (300×300mm) metal colour frame supplied.

The exterior shall be smooth finished with epoxy resin hard hammer grey and the interior flat black. A cadmium plated rear handle and a spherical front handle shall be provided. The spotlight shall be mounted over a cadmium plated mild steel fork shaped to pivot at the point of balance without obstructing the shutter and iris controls. The tilt clamp shall consist of a slotted locking bar and handwheel permitting 30° tilt below horizontal. The fork shall be provided with a 3/4-in. (19mm) external diameter spigot for insertion in stand. The fork shall be symmetrical to allow the reversal necessary for suspension.

### Patt 294

as Patt 293 but with an additional set of four soft edge shutters and arranged for suspension.

## ACCESSORIES

Ref. 628. – Braced telescopic stand

Ref. 636. – Hand-operated magazine for four colours.

Ref. 593. – 1 1/8-in. diameter hollow TV spigot.