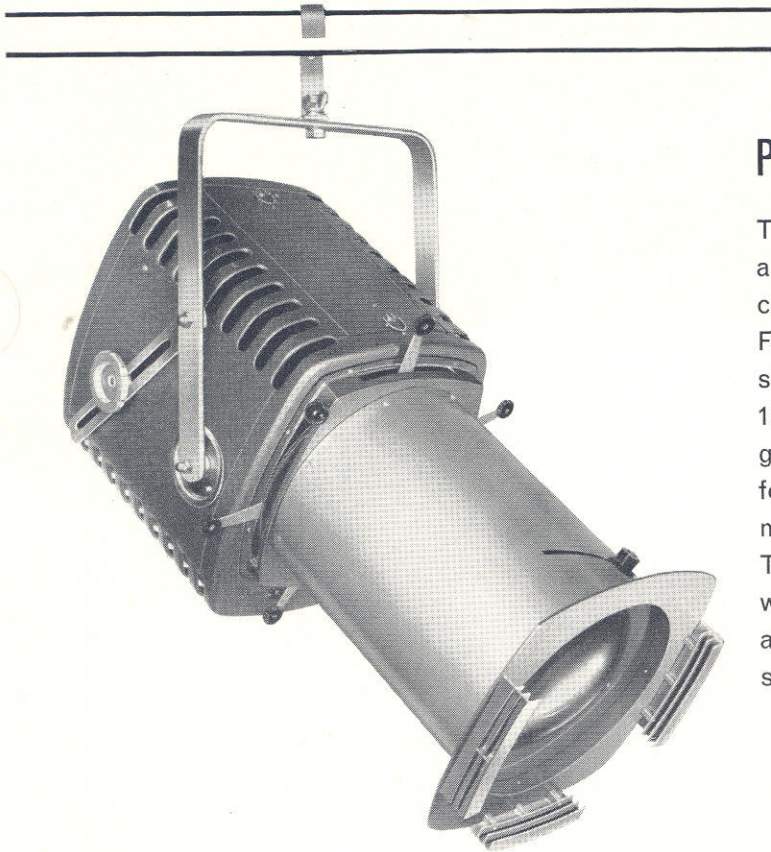




PROFILE SPOTS

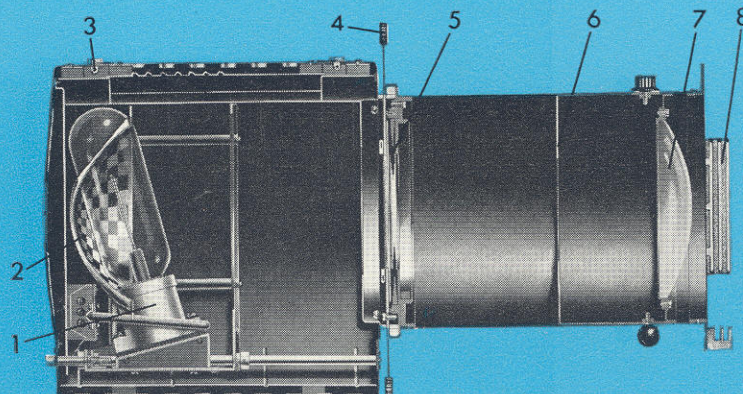


Patt 253 1500/2000 Watt

This spotlight, with a 24° beam spread, projects a high intensity evenly distributed beam with clear cut edges.

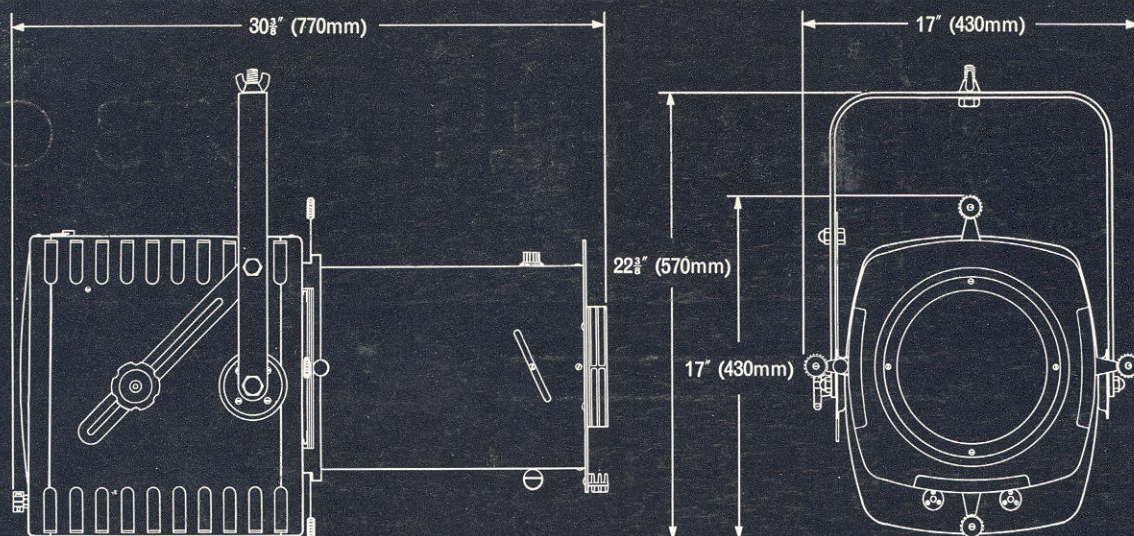
Four built-in but externally operated beam-shaping shutters are provided and also an 18-leaf iris diaphragm for circular beams. The gate assembly also includes horizontal runners for pattern projection by purpose-made metal masks.

This spotlight is recommended for applications where a dominant and decisive beam is required and for precise control of beam shape and spread in large theatres and opera houses.



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

5. 18-leaf iris diaphragm
6. Internal lens tube with fixed diaphragm to intercept stray light
7. 8x13-in. plano-convex lens
8. Double colour frame runners



SCALE 1:10

WEIGHT
Patt 253 54lb. (24.5 kilos)

LAMPS & PERFORMANCE DATA

	THROW DISTANCE		BEAM SPREAD		ILLUMINATION			
					2000W 240V Class A1/218 or Philips 7400C		1500W 110V Philips 13006C	
	feet	metres	feet	metres	f.c.	lux	f.c.	lux
Pattern 253 BEAM ANGLE 24° in which intensity varies 2:1	30		13		105		100	
		10		4.25		945		900
	40		17		59		56	
		15		6.5		420		400
	50		21.5		38		36	
		18		8		290		280
	60		26		26		25	

SPECIFICATION

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 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 18-leaf

iris diaphragm shall be operated by a heat-resisting knob at the right-hand side.

The 8×13-in. (200×330mm) 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.

The spotlight shall be mounted in a reversible cadmium plated mild steel fork with a slotted locking bar and hand-wheel for tilt clamp and 1/2-in. bolt and wing nut for suspension.

ACCESSORIES

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

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