



# FRESNEL SPOTS

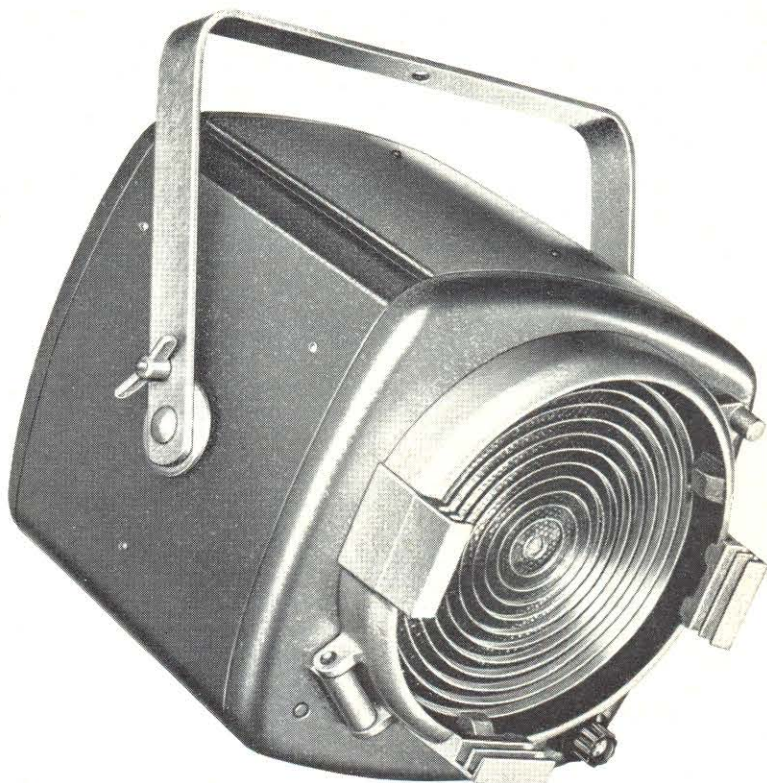


## Patt 223, Patt 223/C, 750/1000 Watt

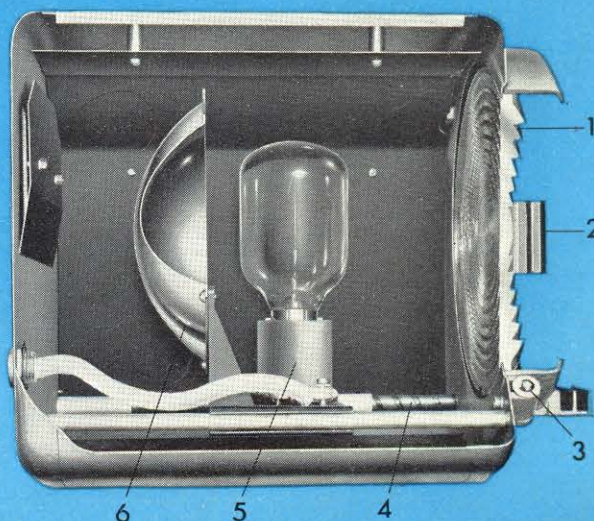
This spotlight provides great flexibility as the circular soft-edged beam can be varied from an intense near-parallel beam of  $7\frac{1}{2}^\circ$  to a high efficiency  $70^\circ$  medium angle flood by adjustment of the lead-screw focussing.

The light is collected by an 8-in. diameter short focus Fresnel lens supplemented by a spherical reflector. The beam spread can be contained by a four-door rotatable barndoor attachment which can be added to the front runners.

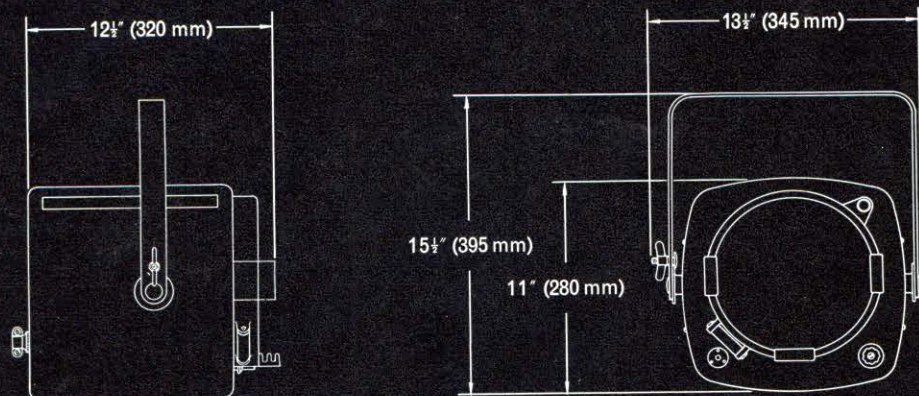
This spotlight is recommended for high-lighting in stage, television, and display work. For open stage applications coloured lenses are available to reduce the low intensity light outside the field angle.



1. 8-in. diameter short focus Fresnel lens; coloured on Patt 223/C
2. Double runners for colour frame and/or barndoor attachment
3. Diagonally hinged lens front for interior access
4. Lead-screw drive of lampholder and reflector tray with both front and rear focussing knobs
5. Medium prefocus lampholder
6. 6-in. diameter spherical reflector







SCALE 1:10

**WEIGHT**

Patt 223 15 lb (6.8 kilos)

**LAMPS & PERFORMANCE DATA**

**Pattern 223 SPOT FOCUS**

**BEAM ANGLE** 7 1/2° in which intensity varies 2:1

**FIELD ANGLE** 15° in which intensity varies 10:1

**Pattern 223 FLOOD FOCUS**

**BEAM ANGLE** 70° in which intensity varies 2:1

**FIELD ANGLE** 82° in which intensity varies 10:1

**THROW DISTANCE**

feet

25

30

35

15

20

25

**BEAM SPREAD**

feet

3

4

5

21

28

35

**ILLUMINATION**

1000W 120V  
1M/T20P/SP

f.c.

165

115

84

36

20

13

1000W 240V  
Class T/6  
or Philips 7401C

f.c.

140

97

71

31

17

11

750W 120V  
750T20P/SP

f.c.

99

69

51

22

13

8

**SPECIFICATION**

The spotlight shall be constructed of zinc coated steel pressings, with baffled ventilation slots, and aluminium alloy diecastings and shall contain a prefocus lampholder and a spherical reflector both adjustable relative to a Fresnel lens. The medium prefocus (P.28) porcelain lampholder for a 750 or 1000-watt projection lamp shall be mounted on a diecast tray together with a 6-in. (150mm) diameter spherical reflector of polished anodised aluminium. This tray shall be adjustable through 4 1/4-in. (110mm) by means of a lead-screw provided with heat resisting knobs at the front and rear. A removable spring clip shall be provided to restrict the tray movement so that spherical bulb lamps can be used.

The 8-in. (200mm) diameter short focus Fresnel lens (coloured on Patt 223/C) shall be recessed within its diecast mount which shall hinge diagonally downwards to provide interior access but which is normally secured by a captive thumb screw. Double diecast colour frame runners shall be provided and one 8 1/2 x 8 1/2-in. (215 x 215mm) metal colour frame supplied.

An external length of 30-in. (0.75m) heat resisting 3-core flexible cable shall be provided and fitted with a strain relief gland.

The exterior shall be smooth finished with epoxy resin hard hammer grey but the entire lens mount and interior shall be flat black.

The spotlight shall be mounted in a reversible cadmium plated mild steel fork with friction disc tilt clamp and 3/8-in. bolt and wing nut for suspension.

**VARIATIONS** Available at time of manufacture

Tilt and swivel scale indication.

'Polestar' model for pole operation of pan, tilt and focus.

**ACCESSORIES**

**Ref. 633.** Four-door rotatable barndoor attachment.

**Ref. 592.** 1 1/8-in. diameter hollow TV spigot.