

Patt. 123

FRESNEL SPOT

APPLICATIONS

The Pattern 123 Fresnel Spotlight is used whenever it is required to build up an area of light to a much greater level without however defining the edges of the beam. The size of the peak area to be lit can be adjusted accurately by means of the knob under the lantern and the soft edges of the beam will ensure a gentle transition from one lighting level to another. The lantern may also be regarded as an adjustable flood to provide wide but nevertheless localised coverage.

The Pattern 123 is ideal for stage lighting on the stage itself where rapid spread is essential. Focused back, it gives a narrow intense beam suitable for sunlight effects. The lantern is very suitable for television and photographic studios and there are many applications to display and exhibition work. For the last two, the motorised colour wheel is particularly advantageous.

BEAM DISTRIBUTION

Patt. 123 Beam Angle $10^{\circ} - 35^{\circ}$
Field Angle $20^{\circ} - 45^{\circ}$

Patt. 123W Beam Angle $20^{\circ} - 40^{\circ}$
Field Angle $30^{\circ} - 55^{\circ}$

Beam Angle. The angle in which the intensity of the beam varies in the ratio of 2:1.

Field Angle (formerly known as Beam Angle). The angle in which the intensity of the beam varies in the ratio of 10:1.

LAMPS (Specify medium prefocus P.28 caps only)

Class	Wattage	Light centre length	Safe tilt from cap down	Life (hours)
T/3	250	55.5 mm	$90^{\circ} \pm$	200
T/1	500	55.5 mm	$90^{\circ} \pm$	200
B1/7	250	55.5 mm	135°	800

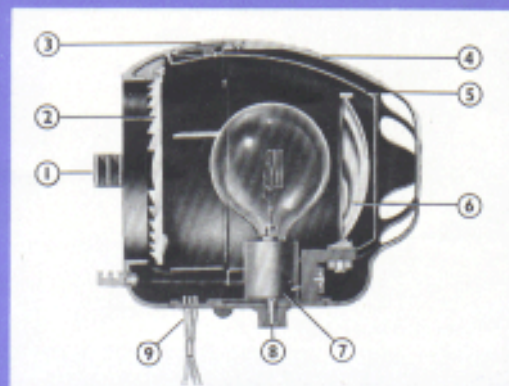
[†]Angle of tilt applies to filament flat on, not edge on. No tilt is permissible in the latter direction. The line between the tilting bolts on the lantern MUST be kept horizontal.

DIMENSIONS

	In.	mm		In.	mm		In.	mm
A	11	279	D	8	203	G	4	102
B	$11\frac{1}{2}$	292	E	$2\frac{1}{2}$	63	H	$5\frac{1}{2}$	140
C	$10\frac{1}{2}$	267	F	5	127	J	5	127

WEIGHT

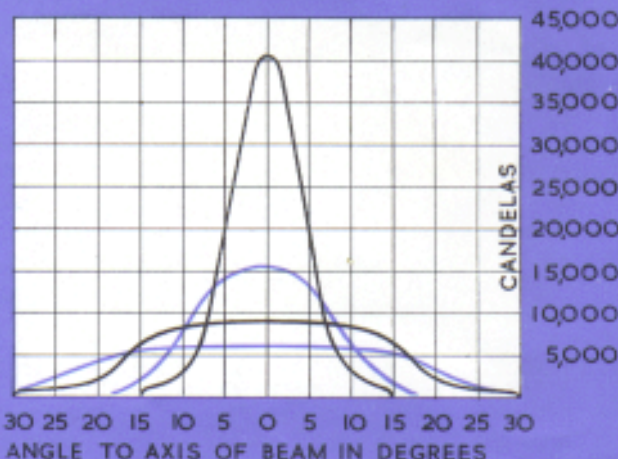
5½ lb (2.6 kg).



1. Runner for colour frame and/or barndoor attachment.
2. 6-in. dia. short focus Fresnel lens.
3. Recessed self-locking catch allowing entire front to open for relamping, cleaning, etc.
4. Lightweight die-cast aluminium housing.
5. Inner lining.
6. 4½-in. dia. anodised aluminium reflector.
7. Medium Prefocus (P.28) Strand lampholder.
8. Focusing knob. Models with suffix -LS to pattern number have lead screw focusing from knob under lens front.

Lantern includes die-cast trunnion with clamping disc and removable ¾-in. Whit. bolt, 2 ft 6 in tails and one square metal colour frame.

Finish - hard hammer-grey outside.



Figures are for 500-watt 230 volt Class T lamps. For 115 volt lamp add approx. 10%. Black curve Patt. 123, Blue curve Patt. 123W max. and min. curves.

