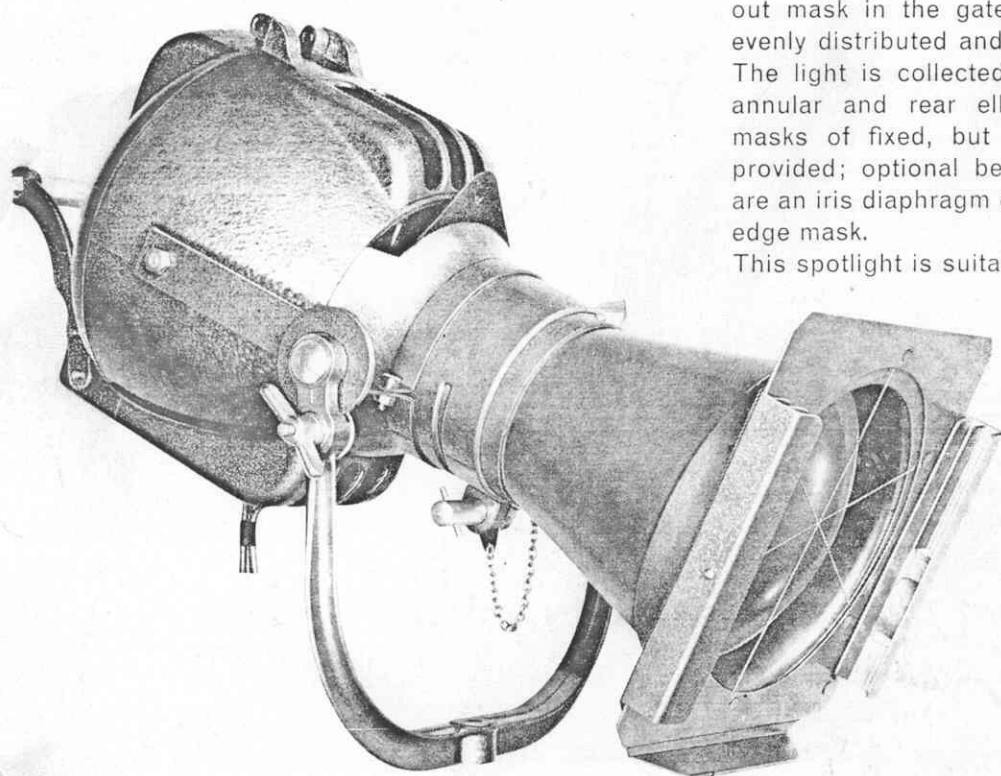




# PROFILE SPOTS

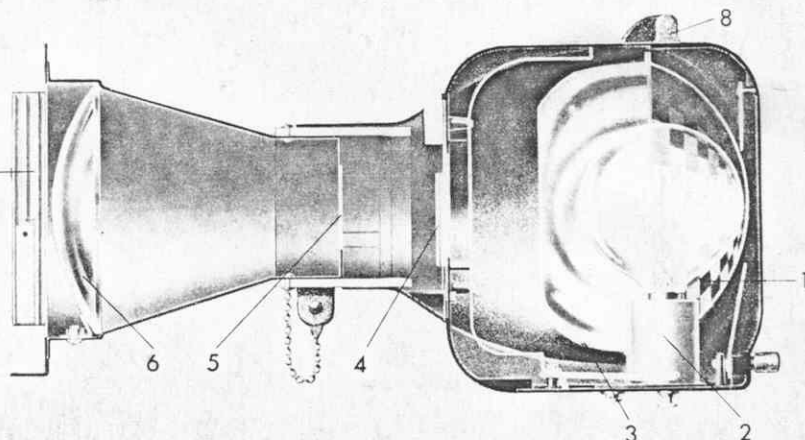
Patt 23N/RH, Patt 23N, 250/500 Watt

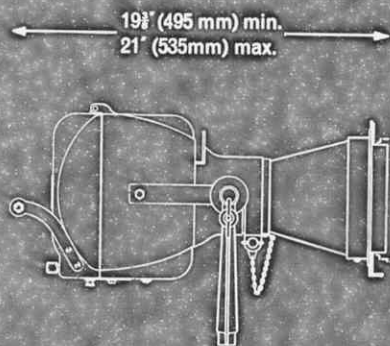


This spotlight projects a high intensity narrow angle beam of any profile determined by a cut-out mask in the gate runners. The beam is evenly distributed and has clear cut edges. The light is collected at the gate by a front annular and rear ellipsoidal reflector. Four masks of fixed, but different, apertures are provided; optional beam-shaping accessories are an iris diaphragm or an adjustable straight-edge mask.

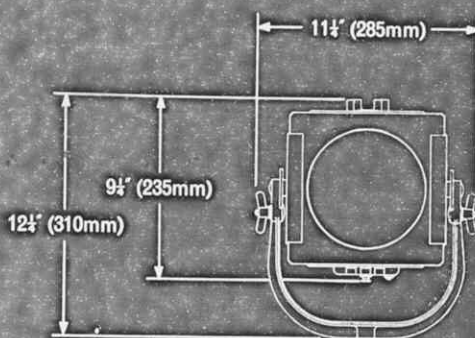
This spotlight is suitable for use as a compact and inexpensive follow spot for ballrooms, cabaret clubs, etc. For this purpose the Patt 23N/RH is pivoted forward of the lamphouse at the point of balance and is provided with a rear handle. The same narrow angle optical system without these refinements is available as Patt 23N.

1. 7-in. diameter faceted ellipsoidal reflector
2. Medium prefocus lampholder
3. 7-in. diameter annular reflector
4. Gate runners for beam-shaping mask or optional addition of an iris diaphragm
5. Fixed aperture diaphragm to intercept stray light
6. 6×9-in. lens in sliding lens tube provided with a safety chain
7. Double colour frame runners
8. Hinged rear door for interior access





SCALE 1:10



WEIGHT  
 Patt 23N/RH 9 1/2 lb. (4.3 kilos)

## LAMPS & PERFORMANCE DATA

	THROW DISTANCE		BEAM SPREAD		ILLUMINATION							
	feet	metres	feet	metres	500W 120V 500T20/48 or Philips 559C		500W 240V Class T/1 or Philips 559C		250W 120V 250T20/47 or Philips 558C		250W 240V Class T/3 or Philips 558C	
					f.c.	lux	f.c.	lux	f.c.	lux	f.c.	lux
Pattern 23N/RH and 23N  <b>BEAM ANGLE 11°</b> in which intensity varies 2:1	25	9	5	1.5	123	950	95	735	52	400	42	330
	30	10	6	2	85	770	66	505	36	325	29	255
	35	12	7	2.25	63	505	48	375	27	225	21	180
	40	13	8	2.5	48	375	37	295	20	165	16	135
	45		9		38	295	29	235	16	135	13	105

## SPECIFICATION

The spotlight shall be constructed of aluminium alloy pressure die-castings with baffled ventilation slots and shall contain a prefocus lampholder, a faceted ellipsoidal reflector, an annular reflector, gate runners with four different aperture masks, and an adjustable lens.

The medium prefocus (P.28) porcelain lampholder for a 250 or 500-watt projection lamp shall be fitted with 30-in. (0.75m) external length of heat-resisting cable (with earth/ground conductor) which shall be provided with a strain-relief gland.

The 7-in. (180mm) diameter faceted ellipsoidal rear reflector and annular spherical reflector shall both be of polished anodised aluminium. The rear of the housing, together with the rear reflector, shall hinge upwards to provide interior access but shall normally be secured by a captive thumbscrew.

Gate runners shall be provided and four fixed aperture masks supplied. Optional additions to fit the gate runners are to be an adjustable four-sided mask or an iris diaphragm. The 6×9-in. (150×230mm) plano convex lens shall be recessed within a conical tube which shall be fitted with a fixed aperture diaphragm. The sliding lens tube shall be locked by a tommy-bar thumbscrew and shall be provided with a safety chain. A lens guard and double colour frame runners shall be provided and one 7 1/2×7 1/2-in. (195×195mm) metal colour frame supplied.

The spotlight shall be provided with a reversible malleable die-cast fork with friction disc tilt clamp and 3/8-in. swivel bolt and wing nut. The fork shall be fitted as follows:

**Patt 23N/RH** – with tilt pivot at centre of gravity and the spotlight fitted with heat-resisting rear handle. (As illustrated. Fork is reversed by removing lens tube).

**Patt 23N** – With tilt pivot at lamphouse.

The exterior and fork shall be smooth finished with epoxy resin hard hammer grey and the interior, excepting reflectors, flat black.

## VARIATIONS available at time of manufacture

6-ft (1.8m) heat-resisting flexible cable.  
 Tilt and swivel scale indication.  
 Four externally operated beam-shaping shutters (not available on Patt 23N/RH).

## ACCESSORIES

**Ref. 363.** 12-leaf iris diaphragm.  
**Ref. 364.** Adjustable straight-edge mask.  
**Ref. 375.** Diffuser glass in frame.  
**Ref. 484.** Spigot adaptor for telescopic stand.