

Fresnelite® Spotlight

8" (203mm) 1000W, 2000W

High-intensity spotlight with variable soft-edged beam and even field

- ◀ New lens and reflector design for maximum performance
- ◀ Accepts 2000W lamp for throws of up to 50'
- ◀ Lightweight extruded aluminum body
- ◀ Vented lens door for longer color life
- ◀ Spot-to-flood focus adjustment engineered for smooth operation
- ◀ Excellent barndooring characteristics
- ◀ All handles thermally insulated for cool operation
- ◀ Accessories include lightweight barndoor and a safety clip for positive lock-in of barndoor and color frame

Specifications:

This unit shall be a variable focus fresnel spotlight designed to accommodate tungsten-halogen or incandescent mogul prefocus base lamps in 1000, 1500 and 2000 watts. The housing shall be constructed of ribbed extruded aluminum sides between die formed steel cover plates. Lens door construction shall be of spun steel for strength and durability. Die cast aluminum accessory clips shall be screw retained to the lens door and shall be capable of holding a combination of a barndoor and three color frames and/or scrims.

Lamp and reflector access shall be through the side-hinged lens door. The door shall be secured with a spring-loaded stainless steel latch with a thermally insulated knob.

The 8" (200mm) fresnel lens shall be molded of high-quality heat resistant borosilicate glass and retained by three molded plastic stand-off pieces. These stand-offs shall be designed to allow an air gap around the lens for additional ventilation of the lens and color media.

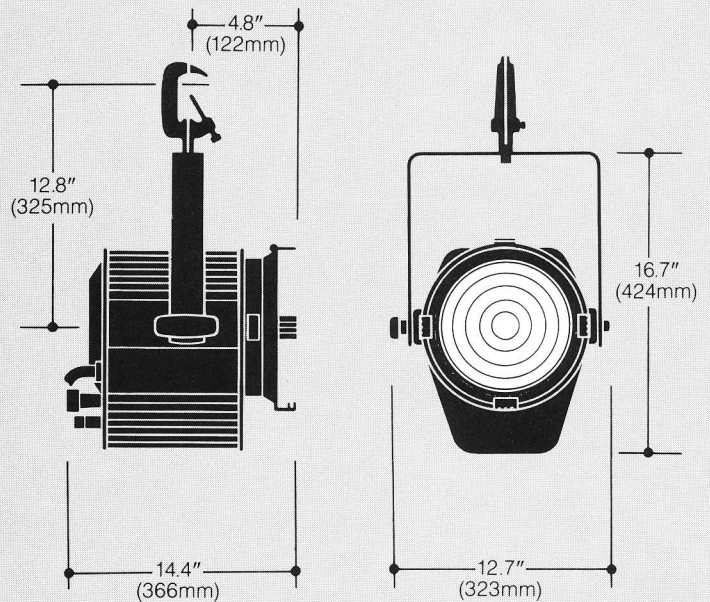
Flood to spot focusing shall be performed at the rear of the unit by means of a thermally insulated sweep arm. Focus position shall be indicated by a calibrated label.

Each unit shall be supplied with a malleable iron C-clamp to grip up to 2" (51mm) pipe, a strap steel yoke and 3' (0.9m) leads in fiberglass sleeving.

The unit shall have a 8° to 62° variable 1/2-peak angle and a 14° to 68° variable 1/10-peak angle and shall produce 165 footcandles at 50' (1831 lux at 15m) maximum (spot focus) and 56 footcandles at 25' (622 lux at 7.5m) maximum (flood focus) using a BVW lamp. Exterior finish shall be black baked enamel. Weight: 17lbs. (7.7kg). Entire unit shall be UL approved.



Dimensions:



Weight: 17 lbs. (7.7kg)

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Accessories:

Color or diffuser frame	1110
Eight-way barndoor	1408
High hat	1333
Accessory safety clip assembly	1358
Safety cable	1500

Performance Data:

Lamp: BVW, 2000W, 250 Hrs., 3200°K

1/2 Peak Angle — Beam spread where intensity drops to 50% of maximum.

1/10 Peak Angle — Beam spread where intensity drops to 10% of maximum.

Other Lamps: multiply intensity by M.F. below:

Lamp	Watts	M.F.	Life (Hrs.)	Color Temp. (°K)
BVT	1000	.39	500	3050
BVV	1000	.47	200	3200
CWZ	1500	.65	325	3200

Spot Focus

Distance — Feet	35	40	45	50	55
Footcandles — at Center	336	258	203	165	136
Diameter — Feet	8.6	9.8	11.1	12.3	13.5

1/2-Peak Angle — 8°

1/10-Peak Angle — 14°

Distance — Meters	10.5	12	13.5	15	16.5
Lux — at Center	3737	2861	2261	1831	1513
Diameter — Meters	2.6	3	3.3	3.7	4.1

Performance at Any Distance: Footcandles or Lux = 412,000/Distance²
Diameter = Distance x .25

Flood Focus

Distance — Feet	20	25	30	35	40
Footcandles — at Center	88	56	39	29	22
Diameter — Feet	27	33.7	40.5	47.2	54

1/2-Peak Angle — 62°

1/10-Peak Angle — 68°

Distance — Meters	6	7.5	9	10.5	12
Lux — at Center	972	622	432	317	243
Diameter — Meters	8.1	10.1	12.1	14.2	16.2

Performance at Any Distance: Footcandles or Lux = 35,000/Distance²
Diameter = Distance x 1.35



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Los Angeles — 18111 South Santa Fe Ave, P.O. Box 9004, Rancho Dominguez, California 90224 Tel: (213) 637-7500, Telex: 664741

London — P.O. Box 51, Great West Road, Brentford, Middlesex TW8 9HR Tel: 01 560 3171, Telex: 27976

Toronto — 6490 Viscount Road, Mississauga, Ontario, Canada L4V 1H3 Tel: (416) 677-7130, Telex: 06968646

West Germany — 3340 Wolfenbüttel 16 — Salzdahlum Tel: 0 53 31/79 51-53, Telex: 95641

Hong Kong — 802 Houston Centre, 63 Mody Road, Tsimshatsui East, Kowloon Tel: 3-685161, Telex: 44953

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