

FRESNELITE® SPOTLIGHT

3413
STRAND CENTURY

8" (203 mm) 1000W/2000W

High efficiency, soft edged beam for area lighting in theatres – key and backlighting in television studios.

- Throws of up to 50' (15m).
- High intensity, variable spread, soft edged beam.
- Special heat resistant Fresnelens provides excellent barndoor characteristics.
- Spherical specular Alzak reflector mounted on a moveable carriage.
- Rapid screw feed focusing from flood to spot.
- Rugged, well ventilated steel housing, with hinged front door for easy lamp access with integral color frame and barndoor holders.



Cat. No.	Lens
3413	8" x 5" (203 mm x 127 mm) Fresnelens
	Accessories
1110	Color or diffuser frame
1313	Four way barndoor
1333	High Hat
1414	Stripped glass color filter (specify color)

Strand Century Fresnelite® Spotlight

8" x 5" (203 mm x 127 mm) 1000W/2000W

Specifications

This unit shall be a 1000W/2000W Fresnel spotlight to accommodate a tungsten-halogen or conventional incandescent mogul prefocus base lamp. The socket shall be mounted on an adjustable burner in front of a 7" (177mm) diameter spherical, specular Alzak, processed aluminum reflector. Each unit shall be provided with a heat resisting 8" (203 mm) diameter Fresnelens. The enclosure shall be of steel.

The socket burner assembly shall be readily moveable from spot to flood focus by means of a screw feed rod and external crank handle and shall be provided with a stop to prevent overtravel.

Lamp access shall be through the hinged front which is provided with integral color frame holders.

Each unit shall be supplied with a malleable iron clamp to grip up to 2" (51 mm) pipe, a strap iron yoke with locking disc and dog and 3' (0.9 m) asbestos leads.

Exterior finish shall be baked enamel and the entire unit shall be U.L. listed and CSA approved in Canada. Weight: 17 lbs. (7.7 kg.).

This unit shall have a 9° to 21° variable beam angle and a 16° to 33° variable field angle and shall produce 154 footcandles at 50' (1740 lux at 15m) maximum (Spot Focus) and 74 footcandles at 30' (850 lux at 9m) maximum (Flood Focus) using a BVW lamp.

Photometrics

SPOT FOCUS

DISTANCE - FEET
FOOTCANDLES
FIELD DIAMETER

20'	30'	40'	50'	60'
980	433	245	154	108
5.8'	8.7'	11.5'	14.5'	17.4'

BEAM ANGLE 9°

FIELD ANGLE 16°

DISTANCE - METERS	6m	9m	12m	15m	18m
LUX	10,890	4840	2720	1740	1210
FIELD DIAMETER	1.7m	2.6m	3.5m	4.4m	5.3m

LAMP SHOWN: BVW 2000 WATT 250 HOUR 3200°K

OTHER LAMPS: MULTIPLY INTENSITY
BY FACTOR GIVEN (MF)

MF	LAMP
.40	BVT 1000 WATT 500 HOUR 3050°K
.47	BVV 1000 WATT 200 HOUR 3200°K
.65	CWZ 1500 WATT 325 HOUR 3200°K

$$\text{FOOTCANDLES} = \frac{392,000}{\text{Distance}^2 (\text{Ft})} \quad \text{LUX} = \frac{392,000}{\text{Distance}^2 (\text{m})}$$

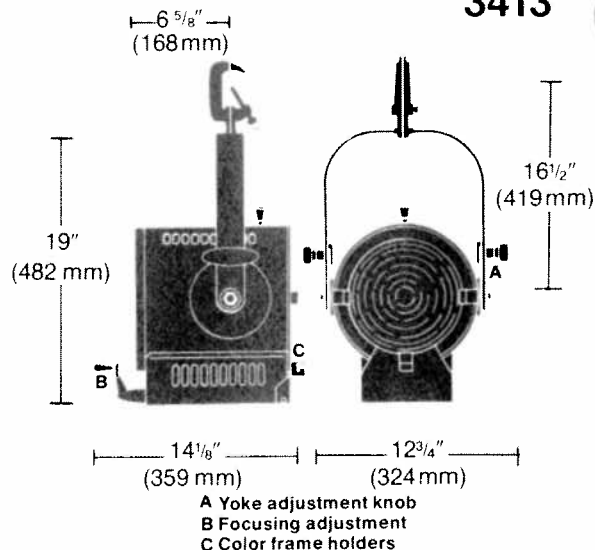
FIELD DIAMETER = Distance × .29

Beam Angle - where intensity drops to 50% of maximum

Field Angle - where intensity drops to 10% of maximum

Representational graphics

3413



FLOOD FOCUS

DISTANCE - FEET
FOOTCANDLES
FIELD DIAMETER

20'	25'	30'	35'	40'
172	106	74	55	43
12'	15'	18'	21'	24'

BEAM ANGLE 21°

FIELD ANGLE 33°

DISTANCE - METERS	6m	7.5m	9m	10.5m	12m
LUX	1910	1225	850	625	475
FIELD DIAMETER	3.6m	4.5m	5.4m	6.3m	7.2m

LAMP SHOWN: BVW 2000 WATT 250 HOUR 3200°K

OTHER LAMPS: MULTIPLY INTENSITY
BY FACTOR GIVEN (MF)

MF	LAMP
.40	BVT 1000 WATT 500 HOUR 3050°K
.47	BVV 1000 WATT 200 HOUR 3200°K
.65	CWZ 1500 WATT 325 HOUR 3200°K

$$\text{FOOTCANDLES} = \frac{68,800}{\text{Distance}^2 (\text{Ft})} \quad \text{LUX} = \frac{68,800}{\text{Distance}^2 (\text{m})}$$

FIELD DIAMETER = Distance × .6

Beam Angle - where intensity drops to 50% of maximum

Field Angle - where intensity drops to 10% of maximum



**STRAND
CENTURY**

A COMPANY WITHIN THE RANK ORGANISATION

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