

Strand Lighting

PRODUCT DATA

Fresnelite 6"

Compact Fresnel spotlight with a smooth, soft-edged beam. In two versions: with medium pre-focus socket, or bi-post (TV) socket. Uses 500W, 750W and 1000W lamps. Supplied with C-clamp and color frame.

W 1000W V 120V < 13° - 65° 10.5lbs. (4.8kg)
 * 194 FC (2160 lux) 30' (9m) 7.5" x 7.5" (190 x 190mm) 14lbs. (6.3kg) 2.37 Cu.ft. (0.067m³)
 ✓ UL, CSA

Cat. No. Description

12081	Fresnelite, 6" Fresnel
12091	Fresnelite, 6" Bi-post socket Fresnel

Fitted Connector Options

12086	GR (15A)
12096	GR (15A)
12087	GP (20A)
12097	GP (20A)
12088	GTL (20A)
12098	GTL (20A)

Fresnelite Accessories

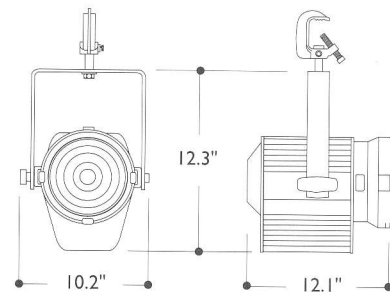
Cat. No.	Description
BTM	500W 120V lamp, for 3380
BTN	750W 120V lamp, for 3380
BTR	1000W 120V lamp, for 3380
CP52	1000W 220V lamp, for 3380
EGN	500W 120V lamp, for 3380TV
EGR	750W 120V lamp, for 3380TV
EGT	1000W 120V lamp, for 3380TV
CP40	1000W 220V lamp, for 3380TV
I8105	Additional color frame, 6" Fresnelite
I8108	High hat, 6" Fresnelite
I8127	Accessory Safety clip, 6" Fresnelite
I8118	Barndoor 8-way, 6" Fresnelite
82003	Safety cable, 18" (457mm)

1.2.6

SPOTLIGHTS

FRESNELITE® 6"
500W, 750W
& 1000W

Fresnelite 6"



A GUIDE TO SYMBOLS AND ABBREVIATIONS

GENERAL W Supply voltage A Current rating 10 Weight of product 11 Packed weight 12 Packed volume
 13 Overall dimension of product ✓ Compliance with international standards. W Watts (maximum recommended) < Beam angle (Half-peak angles for Fresnels and PCs. Cut-off angles for ellipsoidal spotlights)
 14 Throw (usual working distance from subject in feet) * Illuminance (maximum FC at throw distance stated with lamp recommended or supplied) 15 Color filter cut size TV Fitted with yoke complete with C-clamp for hanging from studio grid IP International Protection Standard UL Underwriters Laboratory
 CSA Canadian Standards Authority

- High-output inexpensive Fresnels
- Lightweight extruded aluminum body
- Variety of lamps available 500W - 750W - 1000W
- Vented lens door
- Smooth and concise spot-to-flood adjustment
- All handles thermally insulated
- Barndoor optional extra
- Bi-post socket version available. Ideal for small television studios particularly low-power, educational and in-house commercial and industrial facilities
- Supplied in black finish with mounting yoke with C-clamp, and 3' (0.9m) power cable with bare leads or connector specified
- Can be used for 220V operation
- UL/CSA approved

Photometric Data

Typical performance based on BTR 1000W lamp, 200 Hrs., 3200K

Fresnelite 6"

Spot focus 1/2 Pk Angle 6° - 1/10 Pk Angle 13°

Throw (ft)	20		25		30		35		40	
	FC	Ø	FC	Ø	FC	Ø	FC	Ø	FC	Ø
	438	4.6	280	5.7	194	6.8	143	8	109	9.1

Flood focus 1/2 Pk Angle 55° - 1/10 Pk Angle 65°

Throw (ft)	20		25		30		35		40	
	FC	Ø	FC	Ø	FC	Ø	FC	Ø	FC	Ø
	185	12.7	82	19	46	25.5	30	31.9	21	38.2

Typical performance based on EGT 1000W lamp, 200 Hrs., 3200K

Fresnelite 6" TV

Spot focus 1/2 Pk Angle 7.2° - 1/10 Pk Angle 14.8°

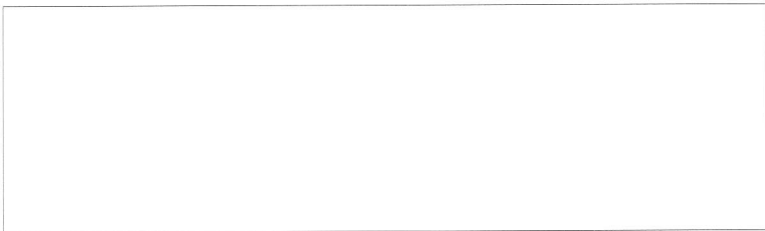
Throw (ft)	20		25		30		35		40	
	FC	Ø	FC	Ø	FC	Ø	FC	Ø	FC	Ø
	304	5.2	194	6.5	135	7.8	99	9.1	75	10.4

Flood focus 1/2 Pk Angle 56° - 1/10 Pk Angle 70.4°

Throw (ft)	20		25		30		35		40	
	FC	Ø	FC	Ø	FC	Ø	FC	Ø	FC	Ø
	210	14.1	93	21	53	28.0	34	35	23	42.0

Ø Beam diameter in feet.

The Company reserves the right to make any variation in design or construction to the equipment described.
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Lamp Data

Order lamps for replacement to the following specifications

Fresnelite 6"	120V	120V	120V	220V
Watts	1000W	750W	500W	1000W
Designation	BTR	BTN	BTL	FKN (CP52)
Base	Med Pf	Med Pf	Med Pf	Med Pf
Lumens	28000	17000	11000	26000
Rated Life-Hours	200	500	500	200
Color Temperature	3200K	3050K	3050K	3200K
Performance				
Multiplication Factor	1	.61	.4	.93

Fresnelite 6" TV	120V	120V	120V	220V
Watts	1000W	750W	500W	1000W
Designation	EGT	EGR	EGN	CP40
Base	Bi-post	Bi-post	Bi-post	Bi-post
Lumens	28000	21000	13000	25500
Rated Life-Hours	200	200	100	200
Color Temperature	3200K	3200K	3200K	3200K
Performance				
Multiplication Factor	1	.75	.46	.91

Electrical Data

Supply Voltage	120V/220V 50/60Hz.
Max Lamp Watts	1000W.
Lamp Type/Socket	Medium Pre-focus (3380) Bi-post G22 (3380TV).
Cable/connections	3ft Lead in glass fiber sleeve.
Standards Compliance	UL/CSA approved.

Environmental Data

Max Operating Ambient Temp	115°F
Max Surface Temperature	360°F
IP Rating:	IP20.
Tilt/Recommended angles of use	+90° 0 -90°.

Mechanical Data

Paint/Finish	Exterior finish is black baked enamel.
Lamp House	The housing is constructed of ribbed extruded aluminum sides between pressed steel cover plates.
Lens	6 inch (152mm) borosilicate fresnel.
Reflector	Polished anodised aluminum.
Mounting /Suspension	Steel yoke assembly with malleable iron C-clamp.

Weights and Dimensions

Weight	10.5lb (4.8kg)
Length	12.1" (307mm)
Width	10.2" (259mm)
Height	12.3" (312mm)
Packed weight	14.0lb (6.4kg)
Packed length	15.5" (394mm)
Packed width	15.5" (394mm)
Packed height	15.5" (394mm)
Color Frame size	7.5" x 7.5" (190 x 190mm)

Operational Data

Lamp Access	Through side-hinged lens door.
Focus Adjustment	Insulated sweep arm at rear of lamp housing. Position indicated by a calibrated label.
Pan	Pivot around C-clamp stud placed in center of yoke locked by C-clamp pivot locking nut.
Tilt	Adjustment by means of pivots on either side of yoke, locked by T-handle on friction plate.