

# 6" Theatre Fresnel

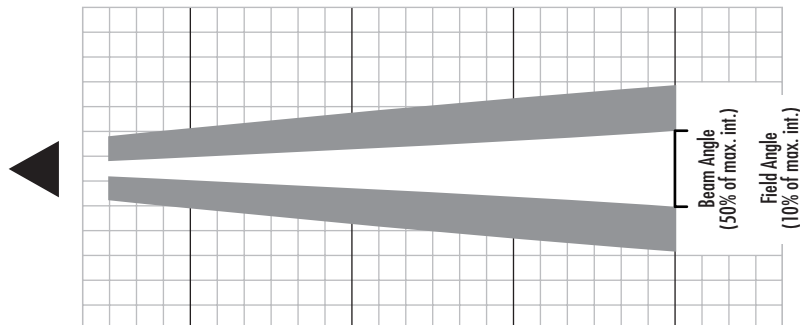


## FEATURES

- High intensity spot with a smooth, even flood field
- Lightweight, rugged aluminum construction
- Superior ventilation system guarantees cooler unit operation with extended lamp and gel life
- All operating controls thermally insulated for cool handling operations
- Torlon® insulators provide smooth focusing operation
- UL Listed, CSA Certified

### Spot Focus (Beam angle 6.1°, Field angle 12/5)

Illumination* (footcandles/lux)	194/2160	109/1215	70/778	49/540
Diameter Beam: Field (feet/meters)	3.2/0.96:6.6/1.97	4.3/1.28:8.8/2.63	5.3/1.6:11.0/3.3	6.4/1.92:13.1/3.94
Distance (feet/meters)	6/2	9/3	12/4	15/5



### Flood Focus (Beam angle 64.5°, Field angle 74.6°)

Distance (feet/meters)	6/2	9/3	12/4	15/5
Diameter Beam: Field (feet/meters)	7.6/2.5:9.1/3.8	11.3/3.8:13.7/5.8	15.1/5.0:24.9/6.1	18.9/6.3:24.9/7.6
Illumination* (footcandles/lux)	311/2800	138/1244	78/700	50/448

\*All illumination data is measured at beam center

**Photometric Performance:** 6" Fresnel 213-515, Lamp No. 176-171 1000W ANSI Code BTR.  
For field diameter at any distance, multiply that distance by .219 for spot and 1.52 for flood.

**Spot Beam Candlepower** - 175,000      **Flood Beam Candlepower** - 11,200

## Leviton Mfg. Co., Inc. Lighting Management Systems

20497 SW Teton Avenue, Portland, OR 97062 1-800-736-6682 Tech Line: 1-800-959-6004 Fax: 503-404-5594 www.leviton.com/lms  
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## PRODUCT DATA

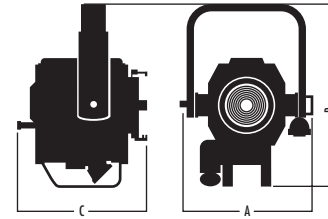


### SPECIFICATIONS

- Housing is constructed of die-cast and extruded aluminum components, with high temperature black finish.

### MECHANICAL

- Optical Train consists of a medium prefocus tungsten halogen lamp, an etched super pure aluminum clad reflector, 6" x 4" low expansion borosilicate fresnel lens mounted in a hinged door for easy lamp replacement.
- Socket shall be medium prefocus porcelain insulated: UL recognized for 250 volts, 1200 watts, 200°C continuous operation. Rated lamp seal temperatures are not exceeded.
- Performance with catalog number 176-171 (ANSI code BTR) lamp in a 12.5° field with 175,000 beam candlepower, in spot focus, and in flood focus a 74.6° field with 11,200 beam candlepower.
- Mounting heavy steel yoke, with painted malleable iron C-clamp for pipe up to 2" I.D., with a tapped and threaded steel hanger pin. Stand mounting requires combo stud.
- Electrical 36" cable, 3 wire leads covered with black sleeving with connector as specified by option number below.
- Voltage 120/240 AC/DC



DIMENSIONAL DATA - IN. [CM] LBS. [KG]	
A	10.50 [26.67]
B	22.80 [57.90]
C	13.00 [33.00]
Weight	11.00 [4.95]

CAT. NO.	DESCRIPTION
FR1TH-50B	6" Theater Fresnel with "C" Clamp, Bare Wire
FR1TH-22B	6" Theater Fresnel with "C" Clamp, 20A Male Stage Pin installed
FR1TH-42B	6" Theater Fresnel with "C" Clamp, 15A Edison Plug Installed
FR1TH-62B	6" Theater Fresnel with "C" Clamp, 20A Locking Plug Installed
<b>ACCESSORIES</b>	
ABRBD-000	Four Leaf Barndoor, Broad
ABRCF-000	Color Frame, Broad
AELCF-000	6" Color Frame
TAoCC-000	C-Clamp for 1 1/2" ID pipe
TAoCS-000	Combo Stud - Flat Yoke
TAoSC-000	Safety Cable 30"
AS153-380	Retaining Latch Replacement, Mini-Pro
A1KBD-000	Barndoor, 6" Fresnel
<b>LAMPS</b>	
LoBTL-000	BTL 500W 120V 3000K 500HR
LoBTM-000	BTM 500W 120V 3200K 100HR
LoBTN-000	BTN 750W 120V 3000K 750HR
LoBTP-000	BTP 750W 120V 3200K 200HR
LoBTR-000	BTR 1000W 120V 3200K 250HR

### LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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