

# Fresnelite® (6" & 8") OPERATING INSTRUCTIONS



Strand Lighting Inc., 6603 Darin Way,  
Cypress, CA 90630, USA.  
Tel. 001 714 230 8200 Fax. 001 714 899 0042

Strand Lighting Inc.,  
2nd Floor, 151 West 25th Street, New York, NY 10001, USA.  
Tel. 001 212 242 1042 Fax. 001 212 242 1837

Strand Lighting (Canada) Inc, 2430 Lucknow Drive No.15,  
Mississauga, Ontario, Canada L5S 1V3.  
Tel. 001 905 677 7130 Fax. 001 905 677 6859

Strand Lighting GmbH., Ullsteinstrasse 114-142,  
12109 Berlin, Germany.  
Tel. 0049 30 707 9510 Fax. 0049 30 707 95199

Strand Lighting Italia SRL., Via Delle Gardenie 33,  
00040 Pomezia, Roma, Italy.  
Tel. 0039 06 919 631 Fax. 0039 06 914 7136

Strand Lighting Asia Ltd., 20/F., Delta House,  
3 On Yin St., Shatin, N.T., Hong Kong, R.O.C.  
Tel. 00 852 2 757 3033 Fax. 00 852 2 757 1767

Strand Lighting Ltd, Unit 3, Hammersmith Studios,  
Yeldham Road, Hammersmith, London W6 8JF, UK.  
Tel. 0044 0208 735 9790 Fax. 0044 0208 735 9799

## GENERAL

Your Fresnelite has been designed to conform to UL and CSA safety standards. The rating label information on the side of the equipment provides the following information:



On your instrument this symbol will have a number on it. This is the batch number and should be quoted if you have to contact a Strand dealer with any question's on the product.

### Lamp requirement for FRESNELITE

12081 – 6" Theatre	Medium Pre-focus.	12181 – 8" Theatre	Mogul Pre-focus.
12091 – 6" Studio	Medium Bi-post.	12191 – 8" Studio	Mogul Bi-post.

## Installing or removing a lamp.

### Opening the fixture.

1. Before lamping or relamping, personally ensure the mains supply is disconnected.
2. Set the focus control to the 'F' position.
3. Release the lens door latch by pulling the latch away from the door.
4. Grasp the barndoor clip and open the lens door.

Do not directly handle the envelope of the tungsten halogen lamp because finger-prints can cause de-vitrification of the quartz and cause premature lamp failure. Use the protective cover supplied with the lamp.

### Installing the lamp.

1. **For medium and mogul prefocus lamps**, grasp the ceramic base of the lamp and align the lamp base with the socket.
2. Press down on the ceramic base and turn the lamp 90° clockwise. The lamp will lock into position.
3. **For medium bi-post lamps on the 12091 6" Studio**, slacken the brass wing nut a couple of turns then insert the lamp. Tighten the brass wing nut until the lamp is held securely.
4. **For mogul bi-post lamps on the 12191 8" Studio**, pull the brass lever on the Lamp Socket towards the front of the unit then insert the lamp. Push back the lever to secure the lamp.

Quartz envelope tungsten halogen lamps all remain hot for a considerable period of time after switching off, or after filament failure, and are dangerous to handle in this condition. Allow to cool for at least five minutes before removing using a dry cloth.

## Removing the Lamp.

1. **For medium and mogul prefocus lamps**, press down on the ceramic base and turn the lamp 90° counter clockwise, then pull the lamp to remove it from the socket.
2. **For medium bi-post lamps on the 12091 6" Studio**, slacken the brass wing nut a couple of turns then remove the lamp.
3. **For mogul bi-post lamps on the 12191 8" Studio**, pull the brass lever on the Lamp Socket towards the front of the unit then remove the lamp.

## Focusing the Instrument.

1. Ensure that the instrument is securely hung and pointed in approximately the correct direction.
2. Apply power to the instrument.
3. Adjust the instrument direction so that it is pointed correctly. Ensure that you tighten down the 'C'-clamp and yoke adjustment knob when you are done.
4. Move the Focus control on the rear of the instrument as required. Moving it towards 'S' (spot) produces a narrower beam. Moving it towards 'F' (flood) produces a wider beam.

## Installing the Safety Clip.

1. Remove the two screws and nuts, located at the top of the lens door, used to plug the safety clip mounting holes.
2. Install the safety clip and secure it with the two screws supplied with the clip.

## Using the Safety Clip.

1. Ensure that the safety clip is in the open position.
2. Install a barndoor on the barndoor clips.
3. Flip the safety clip to the closed position.

## Cleaning the Reflector.

1. Remove the lamp as detailed earlier in this instruction leaflet.
2. Use a soft cloth dampened (not soaked) with a 1:1 mixture of alcohol and water to wipe the reflector clean.
3. Re-install the lamp as detailed earlier in this instruction sheet.

Do not use abrasive cleaners on the reflector.

## Cleaning the Lens.

1. Release the lens door latch by pulling the latch away from the door.
2. Grasp the barndoor clip and open the lens door.
3. Use a soft cloth dampened (not soaked) with a 1:1 mixture of alcohol and water to wipe both sides of the lens clean.

## Replacing the Lens.

### Removing the Lens.

1. Remove the three screws that secure the lens retaining clips to the door housing.
2. Remove the lens and retaining clips through the front door of the instrument.

### Installing the Lens.

1. Install the three retaining clips on the edge of the lens.
2. Install the lens and retaining clips in the door housing.
3. Align the lens retaining clips with holes in the door housing and secure them with one screw in each clip.

## Replacing a Lamp Socket.

### Removing the Medium Prefocus Lamp Socket on the 12081 6" Theatre.

1. Do not replace the lamp socket while the instrument is in position.
2. Remove the lamp as detailed earlier in this instruction leaflet.
3. Using the focus control, position the lamp carriage until the first screw for the lamp socket is visible through the slot in the bottom of the fixture.
4. Remove the screw and lock washer.
5. Position the carriage so that the second socket mounting screw is visible and remove the screw and lock washer.
6. Using the focus control, position the carriage to the 'F' position.
7. Position the socket for access to the screw that secure the wiring to the socket.
8. Loosen the screws, remove the wiring from the socket, and remove the socket and its insulator.

### Installing the Lamp Socket.

1. Install the new socket by reversing the steps for removing the socket.

Do not forget to install the insulator under the socket.

### Removing the Medium Bi-post Lamp Socket on the 12091 6" Studio.

1. Do not replace the lamp socket while the instrument is in position.
2. Remove the lamp as detailed earlier in this instruction leaflet.
3. Using the focus control, position the carriage to the 'F' position.
4. Remove the lamp socket brass wing screw.
5. Move the lamp socket until access is gained to the wire terminals.
6. Loosen the screws, remove the wiring from the socket, and remove the socket.

### Installing the Lamp Socket.

1. Install the new socket by reversing the steps for removing the socket.

## Removing the Mogul Bi-post Lamp Socket on the 12191 8" Studio.

1. Do not replace the lamp socket while the instrument is in position.
2. Remove the lamp as detailed earlier in this instruction leaflet.
3. Using the focus control, position the carriage to the 'F' position.
4. Remove the two screws that retain the lamp socket.
5. Move the lamp socket until access is gained to the wire terminals.
6. Loosen the screws, remove the wiring from the socket, and remove the socket.

### Installing the Lamp Socket.

1. Install the new socket by reversing the steps for removing the socket.

Do not forget to install the insulator under the socket.

## Removing the Mogul Prefocus Lamp Socket on the 12181 8" Theatre.

1. Do not replace the lamp socket while the instrument is in position.
2. Remove the lamp as detailed earlier in this instruction leaflet.
3. Using the focus control, position the carriage in the 'F' position.
4. Slacken terminal screws and remove wiring from socket.
5. Remove socket mounting screws.

### Installing the Lamp Socket.

1. Install the new socket by reversing the steps for removing the socket.

## Adjusting the Focus Control Tension.

1. While holding the focus control with one hand, use a 7/16" socket wrench to adjust the tension nut, located on the bottom of the instrument, to the desired tension.

### Lamp Data

Part No	Lamp Type	Wattage	Voltage	Colour Temp
12081	BTL	500W	120V	3050°K
	BTM	500W	120V	3200°K
	BTN	750W	120V	3050°K
	BTP	750W	120V	3200°K
	BTR	1000W	120V	3200°K
12091	CP24	1000W	220V	3200°K
	EGR	750W	120V	3200°K
	EGT	1000W	120V	3200°K
	KKJ	1000W	220V	3200°K
12181	BVT	1000W	120V	3050°K
	BVV	1000W	120V	3200°K
	CWZ	1500W	120V	3200°K
	BVW	2000W	120V	3200°K
	CP43	2000W	220V	3200°K
12191	CYV	1000W	120V	3200°K
	CXZ	1500W	120V	3200°K
	CYX	2000W	120V	3200°K
	FKK	2000W	220V	3200°K

### Accessories

Product	Description	Cat No.
12081 & 12091	Barndoor	18118
	Safety Clip	18127
12181 & 12191	Barndoor	18119
	Safety Clip	18128



The company reserves the right to make any variation in design or construction to the equipment described.

Fresnelite is a trade mark of Strand Lighting Limited.