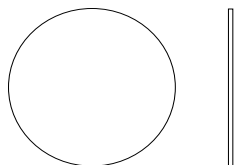
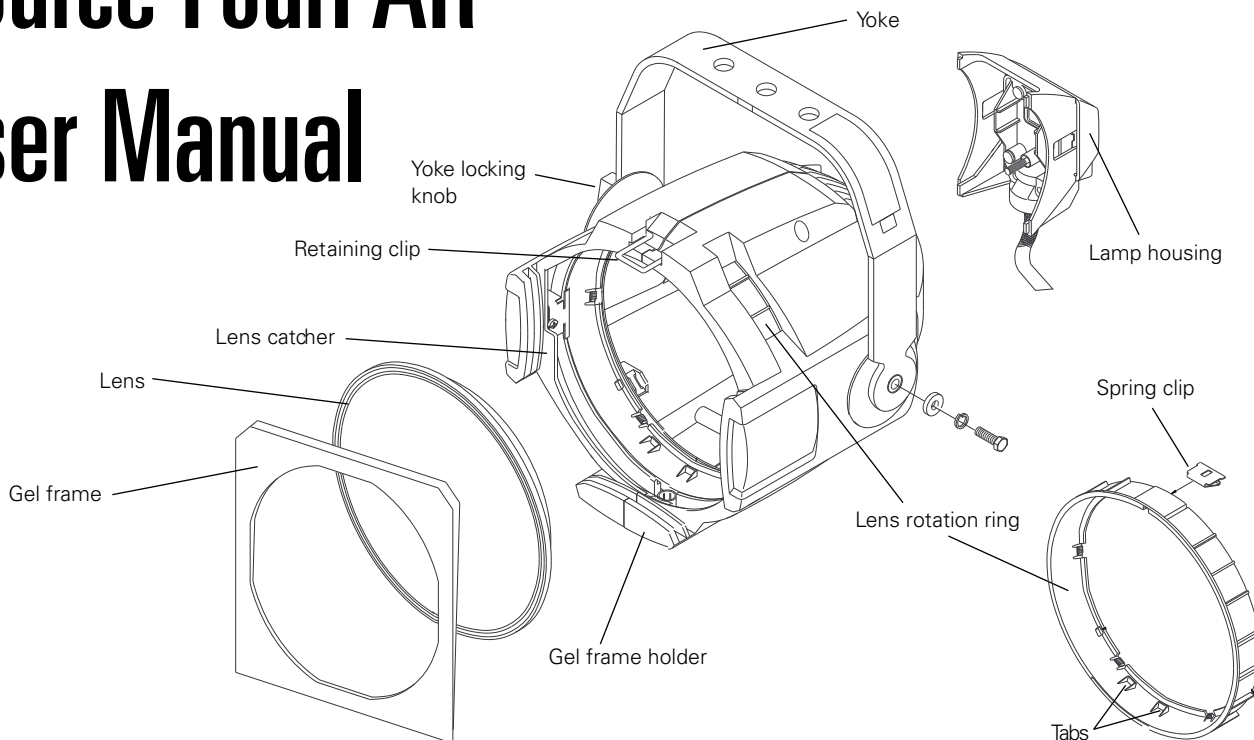
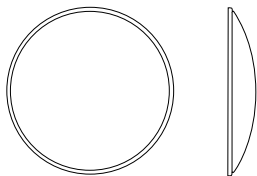


Source FourPAR

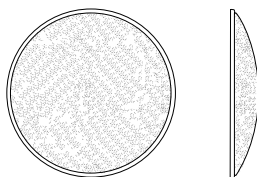
User Manual



Clear, flat lens
Clear glass
14° Round beam shape



VNSP - Very narrow spot
Clear glass
15° Round beam shape



NSP - Narrow spot
Stipple glass (slight diffuse texture)
19° Round beam shape

Source FourPAR

Please note the following safety warnings before use:

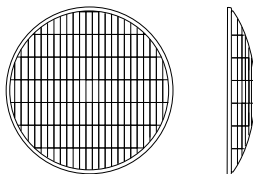
Do not mount the Source FourPAR on or near combustible surfaces.

Do not operate the Source FourPAR without a lens installed.

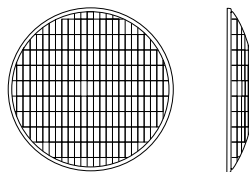
Always hang the Source FourPAR with the gel frame retaining clip in the locked position.

Lens identification

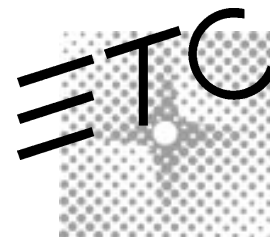
Lenses for the Source FourPAR come in five versions. The type or beam spread can be identified by the lens texture.



MFL - Medium flood
Fewer facets, sized 6 x 22mm
21° x 34° Oblong beam shape



WFL - Wide flood
Many facets, sized 6 x 12mm
30° x 51° Oblong beam shape



Installing the HPL lamp

Important: Verify that the HPL lamp you use is suitable for the voltage at your facility. 115, 120, 230, and 240 volt HPL lamps are available. Operating lamps above their rated voltage reduces lamp life and can cause premature lamp failure.

Always replace the lamp if it becomes damaged or deformed.

1. Disconnect the unit from power before installing the lamp.

Warning: Let lamp cool before changing.

2. Loosen the knurled bolt on the back of the lamp housing and pull the housing straight out from the back of the fixture.

3. Remove the HPL lamp from its box, holding it by the base.

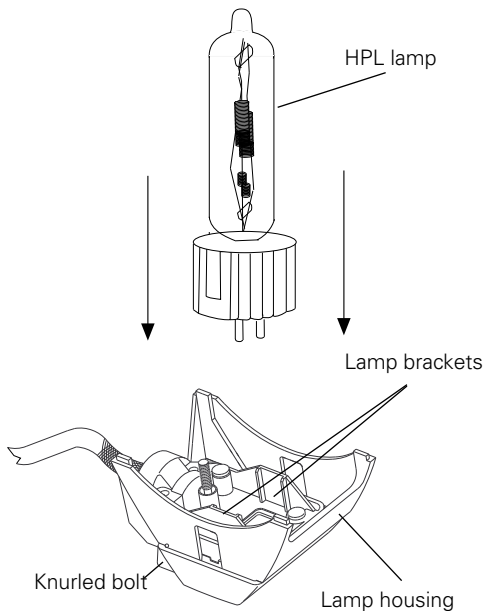
Note: To avoid premature lamp failure, do not touch the lamp glass with your fingers. If you touch the lamp during installation, clean it carefully with rubbing alcohol and a clean, lint-free cloth before operation.

4. Line up the flat sides of the lamp base with the brackets on either side of the socket.

5. Push down on the lamp base until the lamp is firmly seated. Make sure that the lamp is fully seated, with the bottom of the lamp heat sink flush to the lamp housing casting.

Caution: Improperly installed lamps cause premature lamp failure and socket problems.

6. To reinstall the lamp housing, center it on the reflector and the bolt hole, then tighten the knurled bolt to secure the lamp housing in place.



HPL lamps

Lamp code	Watts	Volts	Color temp	Ave rated life
HPL 375/115	375	115	3,250°K	300 hour
HPL 375/115X	375	115	3,050°K	1,000 hour
HPL 550/77	550	77	3,250°K	300 hour
HPL 550/77X	550	77	3,050°K	2,000 hour
HPL 575/115	575	115	3,250°K	300 hour
HPL 575/115X	575	115	3,050°K	2,000 hour
HPL 575/120	575	120	3,250°K	300 hour
HPL 575/230	575	230	3,200°K	400 hour
HPL 575/240	575	240	3,200°K	400 hour

Important: Use the HPL lamp only in Source Four and Source FourPAR fixtures manufactured and sold by Electronic Theatre Controls, Inc. Do not use lamps other than the HPL in Source FourPAR fixtures.

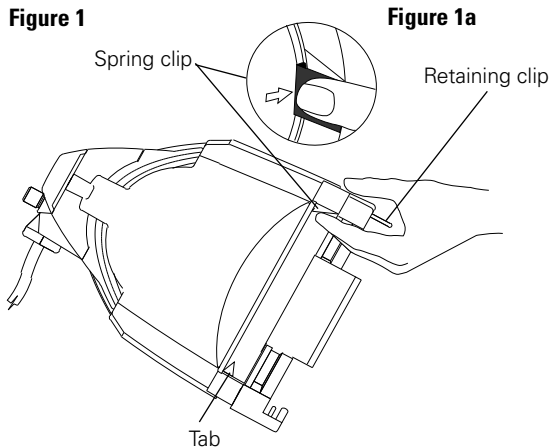
Changing Source FourPAR lenses

Change lenses if they become cracked or badly scratched.

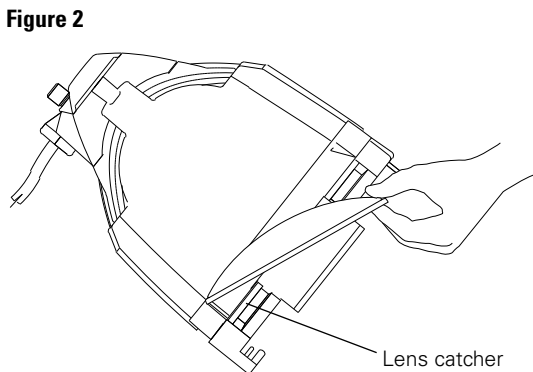
Caution: Never operate the Source FourPAR without a lens in place.

Removing a lens

Warning: Unplug the fixture before attempting to remove or install a lens.



1. Source FourPAR lenses get hot while the unit is in operation. Let the fixture cool before handling the lens.
2. Place the fixture on a flat, stable work surface. Do not install or remove lenses with the unit hanging.
3. Position the lens rotation ring with the spring clip at the top of the unit, directly below the retaining clip. (Figure 1)
4. Tilt the front of the fixture down at least 45 degrees.
5. Press the spring clip with your finger to release the lens. (Figure 1a)
6. Allow the lens to drop forward from under the clip.
7. When the lens drops, remove your finger, allowing the lens to slide forward until it rests on the lens catchers. (Figure 2)
8. Carefully remove the lens from the fixture.

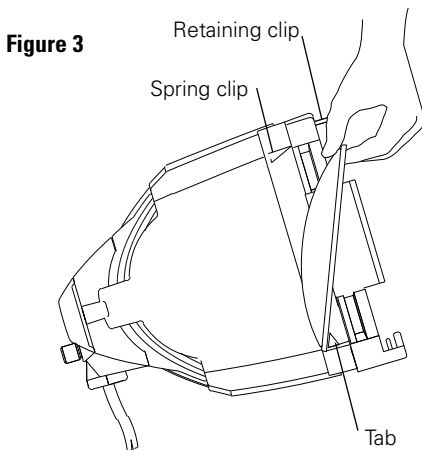


Installing a lens

1. Position the fixture with the front of the unit (the lens side) facing you, and tilted slightly. (Figure 3)
2. Position the lens rotation ring with the spring clip at the top of the fixture, directly below the retaining clip.
3. Hold the lens by the edge, and position it so the convex side faces the back of the fixture. (Figure 3)

Note: Installing the lens with the convex side out will not impair the optics, but it will make removing the lens difficult.

4. From the top of the fixture, slide the lens behind the lens catchers and position its base behind the tabs on the bottom of the lens rotation ring.
5. Gently push the top of the lens inward until it snaps behind the spring clip.



Gel frame retaining clip

The gel frame holder is equipped with a spring-loaded retaining clip that prevents gel frames and accessories from falling out.

Important: Hang the Source FourPAR with the gel frame retaining clip in the locked position.

Important: Use only gel frames or snoots with 6.7-inch inside diameter.

1. Release the retaining clip by pushing it sideways. The retaining clip opens.
2. Insert the gel frame.
3. Press the retaining clip down until it locks.

Cleaning the reflector

Caution: Do not use glass and window cleaners on the reflector. Chemicals in these cleaners will harm the reflective coating.

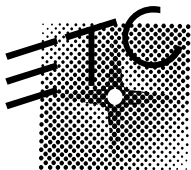
Caution: Do not use paper towels or harsh materials to wipe the reflector. These materials can scratch the surface of the reflector.

Warning: Unplug the fixture before attempting to clean reflector.

1. Remove the lens so you can access the reflector from the front of the fixture. (See *Removing a lens* on page 3).
2. Remove dust with a blast of oil free air, or wipe with a clean, soft, lint-free cotton cloth. If this is sufficient to remove dust, go to step 5. Otherwise, continue to step 3.
3. Dampen a clean, soft, lint-free cotton cloth with a mild, soapy water solution and gently wipe the reflector.
4. Remove any soapy water residue with a clean, soft, lint-free cotton cloth dampened with water.
5. Reinstall a lens before using the fixture.

Accessories

407CF	Color frame (7.5 in. sq./6.7 in. inside diameter)
400SC	Safety cable (31 in.)
400CC	C-clamp
400-CL	Clear Flat lens
400-VNSP	Very Narrow Spot lens
400-NSP	Narrow Spot lens
400-MFL	Medium Flood lens
400-WFL	Wide Flood lens
400LS4	Set of four Source FourPAR lenses (VNSP, NSP, MFL, WFL)
400LS5	Set of five Source FourPAR lenses (Clear Flat, VNSP, NSP, MFL, WFL)



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SOURCE FOURPAR

