

LIGHTING & ELECTRONICS, INC.

MARKET STREET INDUSTRIAL PARK WAPPINGERS FALLS, NY 12590
845-297-1244 (FAX) 845-297-9270
HTTP://WWW.LE-US.COM EMAIL: INFO@LE-US.COM

79 Series PAR Spotlights Safety & Instruction Sheet

WARNING! Disconnect fixture before any service is performed. Never open the fixture while it is still plugged in. Stage lights get very hot! Do not touch any fixture to any person or material without proper protection.

WARNING! Do not hang the unit upside down. Always be sure the side handles are securely locked to prevent accidental loss of an accessory. L&E PARs are designed to have the open portion of the color frame/accessory holder on the top. This prevents accessories from falling out of the holder. Spring clips are provided on some PARs to aid in this prevention, but are not designed to hold heavy accessories, such as a barn door, if the unit is hung upside down. Fixtures pointed in a severely downward angle should be checked to insure they hold any installed accessory safely. **NOTICE!** The fixtures may emit some degree of smoke when they are first energized. This is normal, and the duration and the amount of smoke is dependent upon the wattage of the lamp used. After the initial "burn in" period, the fixtures will no longer smoke.

Lamp Replacement:

1. **WARNING!** Unplug the fixture. Allow it to cool down enough to safely handle.
2. On standard **PAR64** and **PAR56** units, open the lamp access hood at the back of the unit by releasing the draw latch at the top. Be careful not to allow the lamp to fall out of the **PAR56** fixtures, since no spring ring is needed (the hood retains the lamp when it is closed.) There is no need to open anything on a **PAR38** or a **PAR16**.
3. On standard **PAR64** and **PAR56** units, unplug the ceramic socket from the lamp. On standard **PAR64** fixtures, also remove the spring ring using a pair of pliers to squeeze the ring together and pull it out. **WARNING!** Be sure to hold the lamp from falling out when you remove the ring. On **PAR38** and **PAR16** units the lamp is unscrewed (counterclockwise) from the front of the unit.
4. Insert a new lamp and reverse the process.
5. On the **Corona Cast PAR64**, remove the cap at the back by loosening the captive screw and pulling the cap straight out of the unit.
6. Remove the lamp by holding the lamp base and pulling it straight out of the socket. Take the new lamp and push it into the socket until it seats completely. Failure to properly seat the lamp will result in premature lamp or socket failure. **NOTICE!** Touching the glass portion of the lamp with your skin may result in premature lamp failure.
7. Re-insert the cap and secure the captive screw.

Beam Focusing:

Some PAR lamps/lenses produce an oblong beam. This makes it necessary to align the lamp in the fixture to project the longer part of the light beam where you want it to be focused. This is done by turning the lamp in a standard PAR fixture. The hole at the back of standard **PAR64** and **PAR56** fixtures is there for this purpose, since the hood is often not able to be opened once the fixture has been aimed in its proper direction. **WARNING!** In order to safely carry out the alignment, the following steps must be followed.

1. Note how you wish to move the beam, then unplug the fixture.

WARNING! Shock hazard potential -- Unplug the fixture! Be sure the unit is not too hot to touch. Protective gloves may be needed if the unit has been on. **Do not place your hand inside the fixture while it is still plugged in.** Doing so could place you in a shock hazard situation should there be any damage to the ceramic socket or the insulation of the wiring. If, in opposition to our procedure, you choose to adjust the beam while the unit is still on, gloves that are rated to provide adequate electrical and thermal protection must be used. Class 0 lineman gloves with outer leather protectors are an example.

2. Carefully turn the lamp by grasping the ceramic socket and turning it to produce the intended beam orientation.
3. Plug the fixture back in. If further adjustment is needed, repeat steps 1 through 3.
4. On the **Corona Cast PAR64**, simply rotate the insulated ring toward the front of the fixture to adjust the beam.

