

Operating Instructions for Model #1271 STARKlite

Setting Up

The 1271 comes in three parts: the head and yoke assembly, the base and the ballast. To begin set up, lift the base off the wheels by lowering the 3 leveling jacks (#49). Note the groove on the top of the pole. Place the head and yoke assembly on the base of the pole (#46). Rotate the yoke bearing assembly to align the pin in the yoke with groove on the pole. The yoke should settle onto the base. Tighten the 3/8" bolt securely. Connect the multi-pole connector from the ballast to the male connector located under the rear of the spotlight. Connect the 3-conductor power cable to the proper power source as noted on the ballast label. Do not connect to any other voltage or frequency. **IMPORTANT: THIS UNIT MUST BE GROUNDED.** If this unit is to be used on a truss, a short section of 1" schedule 40 pipe should be fitted to the truss. This pipe stub should have a 5/16" groove in the stub.

CAUTION:

A SAFETY CABLE MUST BE USED IF THE FOLLOWSPOT IS OPERATED ABOVE PEOPLE.

THE SPOTLIGHT MUST BE DISCONNECTED FROM ELECTRICAL POWER BEFORE THE LAMP HOUSE IS OPENED.

HIGH VOLTAGES INSIDE MAY CAUSE ELECTRICAL SHOCK.

DO NOT VIEW OPERATING BULB SINCE ULTRAVIOLET RADIATION MAY CAUSE EYE DAMAGE.

Lamp Installation

When working in the lamp house disconnect the unit from AC power. Even with the safety switch in the lamp house open, under certain power input situations, voltage may be present. Remove the spotlight hood by loosening the 4 captive screws, 2 on either end (#41). Then lift the spotlight hood up and off the spotlight tray. Insert the lamp through the reflector (#17) and into the lower lamp support (#24) and then back up into the upper lamp support (#23). Install the top lamp ferrule. Attach the high voltage lamp lead (#26) to the lower lamp base and install the second ferrule. Periodic tightening of the ferrules is required due to vibration or thermal expansion and contraction. Replace the hood. The three screws below the lamp house are used to adjust the hot spot center and field distribution.

Color Boomerang

A six color automatic boomerang (#9) is included with the spotlight. It is recommended that only high heat color media be used. Inserting one color frame will release a previously inserted frame. Actuating the lever on the right will release all the frames.

Fader and Iris

The STARKlite has two large handles on the rear of the spotlight (#36). The left one is to adjust the diameter; the right one is to adjust the intensity.

Focus Control

(#1) Located on the right side of the spotlight, the focus control knob is used to control the edge quality of the projected spot.

Lamp Life

For the best lamp life, it is recommended that the lamp be allowed long burning cycles. For example, if the show requires the use of the spotlight most of the time., the lamp should be lit for the entire show and "doused out" using the fader when not needed.

Balancing

The feed cable from the ballast must be connected for proper balancing. The 1271 has 3 sets of yoke mounting holes: the forward most set is used for the long lens, the middle set for the medium lens and the rear set for the short lens. Not mounting the yoke assembly in the appropriate location will yield a very unbalanced spotlight making it very difficult to operate.

Maintenance

Periodic cleaning of the unit is required for long life. The lenses may be cleaned with soap and water, alcohol, or lens cleaner.

Trouble Shooting

If the lamp fails to light....

1. Check for AC power to spotlight. "OFF" button should be illuminated.
2. If lamp does not ignite when "ON" button is pressed, check safety switch in lamp house.
3. When "ON" button is pressed and fans operate but light does not, there may be a faulty ignitor/operator assembly (aluminum chassis mounted on bottom of unit at male multi-connector location) or faulty ballast unit.
4. If a loud "zap" is heard but lamp does not ignite, check the lamp connection. The cause may also be a defective or aged lamp.

NOTE:

When removing ignitor/ operations unit, note the wire orientation for correct reinsertion.

Any question regarding the operation or repair of the unit will be gladly handled by the factory.