

# Installation and Set-up

## Setting Up

• The #1267 comes in two parts: the head with the yoke and the base. First, level the base with the three leveling jacks. Then place the head yoke assembly on the base pole. Note the groove in top of the pole. Rotate yoke bearing assembly to align the pin in the yoke with the groove. The yoke should settle onto the base. Tighten the 3/8" bolt securely.

## Lamp Installation

The lamp carriage can be seen by opening the back door. Operate the spot size control (located on the operator's side of the unit) so that the lamp carriage moves to the back of the unit. Note the notch on the front rim of the lamp. Align this notch with the tab on the lamp mount. The unit is aligned at the factory for a center hot spot. If this does not suit your needs, adjust the two labeled screws on the lamp mounting plate.

## Power Supply

The Lycian SuperArc-400 power tray is designed with three switches.

1. Power Switch. This switch will energize the blowers and ignite the lamp.
2. Tap Switch. This control is for (A) adjusting lamp power to input voltage as seen on the "watt-watch" meter and (B) to match two or more units.
3. High Range/Low Range Switch. This switch is used in conjunction with switch #2.

The "watt-watch" meter is a visual indication of the actual power at which the lamp is operating. Once the lamp has warmed up (approximately one minute) switch #2 and #3 should be adjusted so that the indicator is in the green zone. When adjusting the taps the lamp may extinguish. Momentarily turning switch #1 "off" then "on" will relight the lamp. Fluctuations into the red zone are normal during start up and operation. However, continuous operation in this zone is to be avoided. Operation below the green will yield less light. Some lamps may operate in this area when they age. If, with most lamps, the "watt-watch" stays below the green, even with the selector at its highest tap, this is an indication of low input voltage.

The standard power tray is designed to operate at 120v. 60hz. The deluxe tray has internal taps for 100v., 120v., and 240v. at either 50 or 60 hertz. These taps are accessible by removing the tray from the bottom of the spotlight and then removing its cover. Please note that there are separate sets of taps for voltage and frequency. Any connected combination of taps is acceptable.

## Spot Size Control

Located on the operator's side of the spotlight, this large lever controls the projected spot from pin spot to full flood. As the size is reduced the intensity is increased. The small knob on the spot size control should be kept in the "normal" position and locked. If it is necessary to change the characteristics of the field, this knob can be unlocked, adjusted and relocked. If it is desirable to maintain a given intensity, only changing the size, leave this knob unlocked. Located inside but seen through the back door, is a friction control for the spot size control. This can be adjusted with an Allen key.

## Focus Control

• Located on the operator's side and towards the rear of the spotlight, this control is used for adjusting for the hard or soft edge of the projected spot. It may be tightened or left slightly loose so that the operator need only slide the ball knob to keep the unit in focus for greatly varying projection distances.

## Fader

• The SuperArc-400 may be faded using either the rear follow handle or the front fader lever.

## Color Boomerang

A seven color automatic boomerang 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.

## 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.

## Maintenance

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

## Trouble Shooting

### If the lamp fails to light...

1. Check for defective or old lamp.
2. Check connections on lamp.
3. Check that power is applied to the spotlight and that the fan and pilot light (in switch) are operating.

If it is necessary to return the power tray to the factory for repair, please notify the factory. Remove the power supply from the spotlight as follows:

1. Disconnect the unit from the AC power.
2. Open back door; disconnect the lamp connector and white blower connector.
3. Remove four phillips head screws from the bottom ends of power tray and lower power tray from spotlight.
4. Note tab hanging below lamp carriage. This can easily be bent and should be protected until the power tray is reinstalled.



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