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**Instructions for Mounting and Operation of  
ARC Model TS-425  
20 Watt Tungsten-Halogen Light Source**

**Description:**

The ARC Model TS-425 is a 30 watt tungsten-halogen light source system designed for use with ARC SpectraPro™ series spectrometers. It consists of a 30 watt lamp (DZA), housing with light collection mirror, and power supply. The lamp is factory installed and aligned prior to shipment. Adjustments are provided on the light collecting mirror mount in the event that realignment becomes necessary.

**Mounting:**

For proper operation, the lamp housing should be mounted to the entrance slit of the spectrometer. The light collection mirror, located in the lamp housing, is designed to focus light from the lamp onto the entrance slit of the spectrometer. To mount the lamp housing to the entrance slit, use the following procedure:

1. Position the TS-425 light source module at the entrance slit of the monochromator with the connector of the light source module toward the front of the monochromator.
2. Attach the light source module to the entrance list assembly of the monochromator with the four 8-32 cap screws provided.

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**Do Not Touch the Lamp (Bulb) or the Surface of the Focusing Mirror**

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**Operation:**

For operation, connect the cable between the lamp housing and power supply, then plug in the power supply. Press the power on/off switch on the front of the power supply to the ON position. It is normal for the light source to pulse several times before coming on. To shut off the light source, press the power on/off switch to the OFF position.