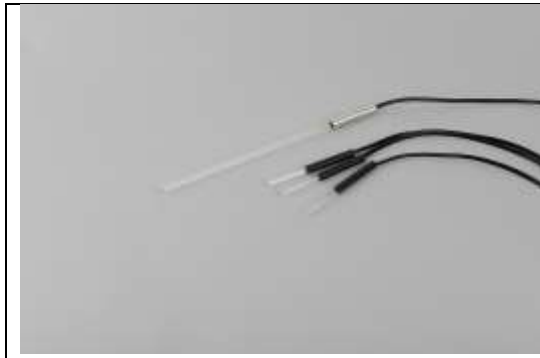


## UVP Pen-Ray UV Lamps



### Mercury Lamps

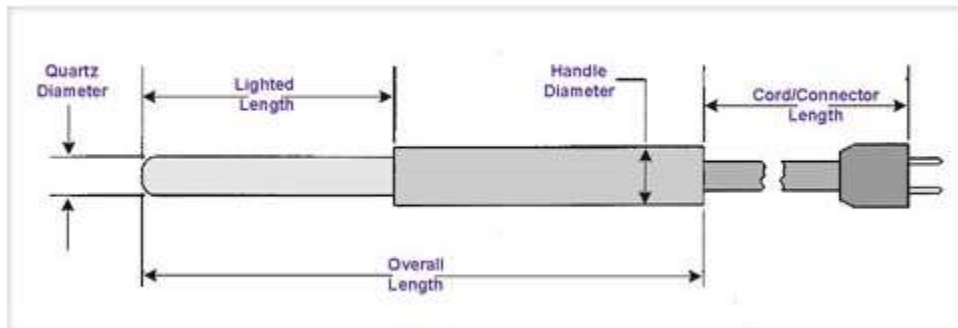
Standard UVP Pen-Ray Lamps are manufactured from the highest grade of quartz material for Fluorescent Inspection.



#### Product Details

90-0019-01 (11SC-1L): UV-A Lamp The principal emission is a 365 nm.

The quartz tube is sheathed with a blue filter to absorb visible light, increasing the lighted length to 2.25" (57.2 mm) and broadening the outside diameter to 0.375" (9.5 mm), overall length is 4.62" (117.3 mm). Lamp emits The nominal voltages are 800 V (starting) and 270 V (operating).





## UVP Pen-Ray UV Lamps

### Specifications

The following tables illustrate the nominal intensities of the standard UVP Pen-Ray Mercury Lamps when current feed into the lamp is a variable. It also includes the typical temperature generated by the lamp at these currents. The output is measured at a distance of 0.75" (19.1 mm). Emission intensities follow the inverse square law.

All measurements were obtained with a UVP UVX Radiometer for optimum accuracy. There are several other factors that can determine the intensity of a UVP Pen-Ray Lamp besides the current feed. Reflectors and proprietary factors inside of the lamp can contribute to modifications of output intensities.

### Typical Intensities of UVP Pen-Ray Lamps 90-0019-01 (Model 11SC-1L)

Lamp Current	Typical Intensity 365nm @ 0.75" (microwatts/cm <sup>2</sup> )	Lamp Operating Voltage	Lamp Body Temperature (degrees C)
20 mA AC	1213	280	120
25 mA AC	1280	260	145
30 mA AC	1298	-	-
35 mA AC	1255	230	185

### Order Information

Part Number	Lighted Length	Total Length	Quartz Diameter	Handle Diameter	Primary Output	Cord Length/ Connector	Recommended Power Supply
90-0019-01	2.25" (57.2 mm)	4.62" (117.3 mm)	0.3" (6.5 mm)	0.375" (9.5 mm)	351/365 nm	16" (406.4 mm) / Std. conn.	PS-1 99-0055-01 (115 V) 99-0055-02 (230 V)
99-0055-01	UVP PenRay® Power Supply, PS-1, 115V/60Hz						
99-0055-02	UVP PenRay® Power Supply, PS-1, 230V/50-60Hz						