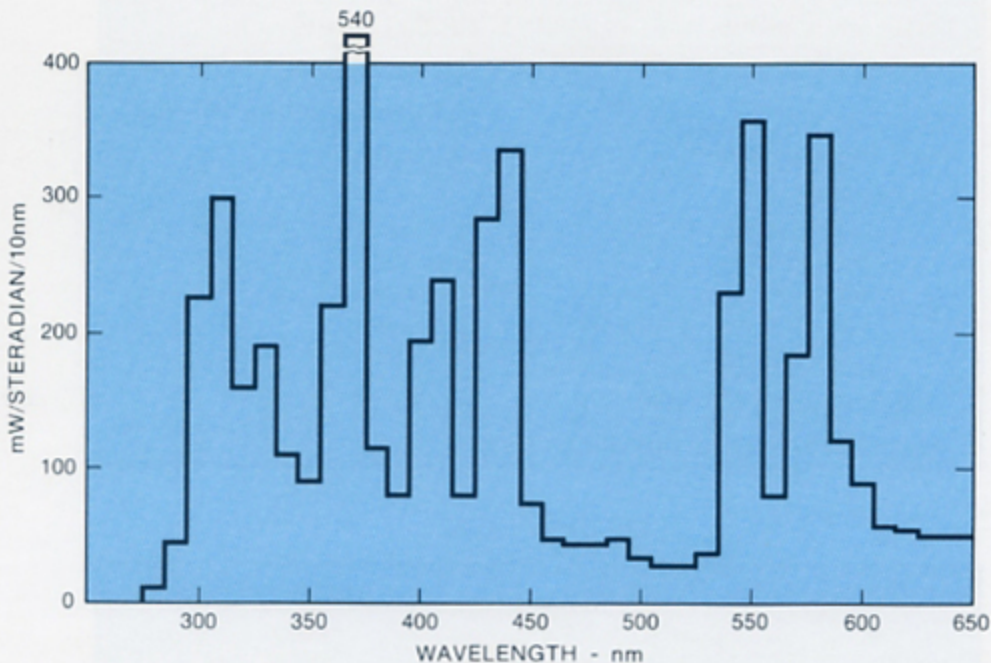


# High Intensity MERCURY SHORT ARC LAMP Model HSA-200



## FEATURES

- Spectral characterization to match photoresist materials
- Specially processed electrodes to insure arc stability
- Improved processing to extend lamp life and radiation output
- New assembly techniques to strengthen construction and increase mechanical reliability



ADVANCED RADIATION CORPORATIONS' 200 Watt A.C.-D.C. Mercury Short Arc Lamp is designed and manufactured to produce high intensity ultraviolet radiation for exposing photoresist materials. Operating with either A.C. or D.C. power the lamps exhibit stable performance and long reliable life. Other applications include photochemistry, micro-film enlargement and optical instrumentation.



**Advanced Radiation Corporation**

2210 WALSH AVENUE, SANTA CLARA, CA. 95050 • TEL. (408) 727-9200 • TWX 910 338 7441 ARC SNTA

# High Performance MERCURY SHORT ARC LAMP

## Model HSA-200

### SPECIFICATIONS

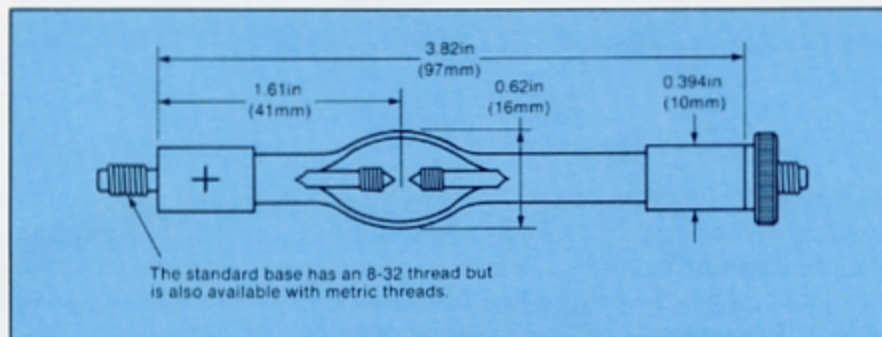
#### ELECTRICAL

Current Type:	D.C.
Power, Rated:	200 Watts
Maximum:	230 Watts
Minimum:	160 Watts
Operating Voltage:	57 ± 8 Volts
Operating Current:	3.1 – 4.1 Amperes
Starting Pulse:	15 Kilovolts

#### OPTICAL

Arc Size: (H* × W)	.08 inches × .04 inches
Total Luminous Flux:	10,000 Lumens
Luminous Efficiency:	50 Lumens/Watt
Arc Brightness:	40,000 Cdla/Cm <sup>2</sup>
Solid Angle of Output:	10 Steradians
Power Radiated:	
300 - 350 nm:	9.4 Watts
350 - 400 nm:	11.0 Watts
400 - 450 nm:	10.8 Watts
450 - 500 nm:	2.4 Watts
500 - 600 nm:	14.7 Watts
Total Radiation (275 - 650 nm):	52.3 Watts
*Electrode spacing at operating power.	

#### MECHANICAL



Information furnished by ADVANCED RADIATION CORPORATION is believed to be accurate and reliable; however, no responsibility is assumed by ARC for its use.

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