



## Semiconductor Systems



### Short Arc Mercury Lamps

*Designed for Microlithography Production*

Photolithography manufacturing demands ultra-micro process detail, and extremely strict standards for light sources. Iwasaki Electric has surpassed these high standards and is recognized for its accumulated lamp technology by semiconductor manufacturers world-wide.

Iwasaki Electric's ultra-high pressure short arc mercury lamps deliver unmatched performance, and we continue to work with our semiconductor partners to develop higher quality, improved performance products.

- **Extended Life** : Iwasaki lamps are designed for exceptional life. Our stringent manufacturing process, using only the purest materials, prevents premature irradiation degradation caused by emitter spattering and evaporation during lamp operation.
- **Outstanding Stability** : Iwasaki's lamps utilize state-of-the-art optics coupled with proprietary emitter designs and buffer gas to produce extremely high arc.

#### Applications

- Semiconductor Production
- Photolithography STEPPER applications
- Photochemical Machining
- Direct Replacements for Existing Systems

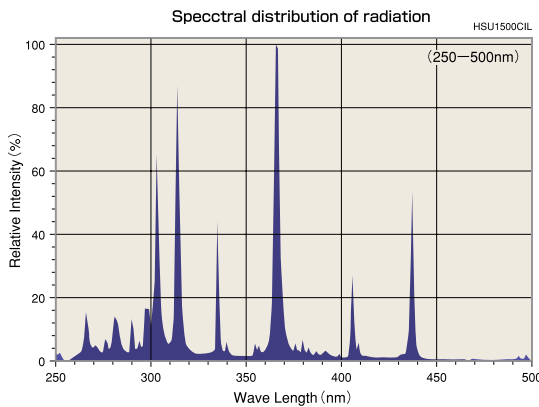
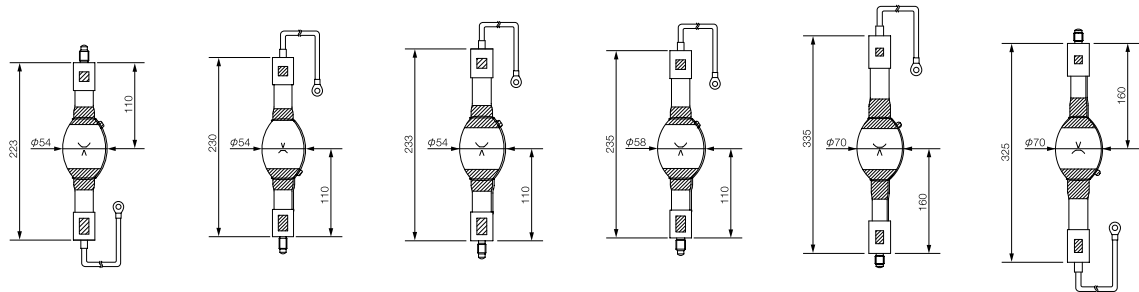


# APPLIED OPTIX™

## Semiconductor Systems

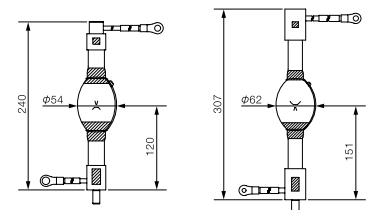
### For Nikon Equipment

	HSU2000NIL	HSU2001NIL	HSU2002NIL	HSU2011NIL	HSU2510NIL	HSU2501NIL
<b>Lamp Power (W)</b>	1750	1750	1750	2000	2500	2500
<b>Lamp Voltage (V)</b>	26	26	26	25	23	23
<b>Lamp Current (I)</b>	67	67	67	80	109	109
<b>Rated Life (hr)</b>	1500	1500	1500	1500	1500	1500
<b>Arc Length (mm)</b>	4.5	4.5	4.5	4.5	4.5	4.5
<b>Std Pkg Qty</b>	6	6	6	4	2	2
<b>Compatible Equipment</b>	NSR-2005i8	NSR-2005i9 NSR-2005i10 NSR-2005i11	NSR-2005i11 SHRINC3	NSR-2205i12	NSR-2205i14E	NSR-4425i



### For Canon Equipment

	HSU1500CIL	HSU2001CIL
<b>Lamp Power (W)</b>	1500	2000
<b>Lamp Voltage (V)</b>	23	26
<b>Lamp Current (I)</b>	65	77
<b>Rated Life (hr)</b>	1500	1500
<b>Arc Length (mm)</b>	4	4.5
<b>Std Pkg Qty</b>	6	2
<b>Compatible Equipment</b>	FPA-2000i1 FPA-2000i2 FPA-2000i3	FPA-3000i4 FPA-3000i5 FPA-3000iW



Iwasaki manufactures ultra high pressure mercury lamps for most existing photolithographic equipment. If your system is not referenced, please contact us to verify lamp selection and compatibility.

*EYE Lighting/Iwasaki solar lighting experience provides the expertise to assist you in the development of solar simulation systems specific to your application requirements.*

*We welcome the opportunity to work with you to solve your application requirements.*



## EYE LIGHTING INTERNATIONAL

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