



## Light Sources, Inc.

37 Robinson Boulevard, Orange, CT 06477

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01/22/2013

US Nuclear Regulatory Commission  
Director: Office of Federal and State Materials  
and Environmental Management Programs  
Documents Control Desk/Exempt Distribution  
Washington, DC 20555-0001

Ref: NRC Distribution License Number:  
06-31445-02E

Gentlemen,

The attached documentation is being filed as an annual transfer report required under 10 CFR Part 32 Section 32.16

The attached sections include the quantity of High Pressure type quartz lamps containing Kr-85 sold by Light Sources, Inc. at 37 Robinson Blvd., Orange, CT., 06477 during the reporting period of January 1, 2012 until December 31<sup>st</sup>, 2012.

Included in the report is the summary of each model type sold by name and description, the quantity of each radionuclide, and the address and name where each product was shipped during the reporting period.

Please contact me if any additional information is necessary.

Sincerely,

Eugene Czako  
Light Sources, Inc.  
37 Robinson Blvd.  
Orange, CT 06477

FSMEDB

# **LIGHT SOURCES SALES HISTORY BY MODEL TYPE - HP LAMPS 2012**

Kr-85

**8297 TOTAL**

SPECNO	DESCRIPTIONS	ITEM	sales order	QTY	QTY shipped	CATEGORY	ISSUED DATE	CUSTOMER
2770	2770 AUVL 400-500W 230 CLIP-IN (ALL APPLICT)	THPFUT400.2770	85131	100	100	B	5/15/2012 6:46	FUTURE
2770	2770 AUVL 400-500W 230 CLIP-IN (ALL APPLICT)	THPFUT400.2770	86187	100	100	B	1/11/2013 6:53	FUTURE
2771	2771 AUVL 650W 230V PLUG-IN (HP UNIT BODY)	THPFUT500.2771	85131	100	100	C	5/15/2012 6:47	FUTURE
2769	2769 AUVL 800-1000W 230 PLUG-IN (SUNGATE,UWE)	THPFUT810.2769	85131	100	100	E	5/15/2012 6:46	FUTURE
2807	2807 SYLVANIA PURE COLLAGEN 400W SE	THPGLO250.2768	87630	100	100	B	10/18/2012 6:21	JK LIGHT
2767	2767 GENESIS 400W R7S	THPGLO400.2767	85166	250	250	B	6/19/2012 6:31	JK LIGHT
2767	2767 GENESIS 400W R7S	THPGLO400.2767	86811	250	250	B	8/15/2012 6:53	JK LIGHT
2767	2767 GENESIS 400W R7S	THPGLO400.2767	86811	700	700	B	8/15/2012 6:53	JK LIGHT
2767	2767 GENESIS 400W R7S	THPGLO400.2767	88760	250	250	B	1/22/2013 6:58	JK LIGHT
2768	2768 GENESIS ULTRA 500W GY9.5	THPGLO500.2768	85166	250	250	C	6/19/2012 6:31	JK LIGHT
2768	2768 GENESIS ULTRA 500W GY9.5	THPGLO500.2768	88276	500	500	C	12/10/2012 7:51	JK LIGHT
2768	2768 GENESIS ULTRA 500W GY9.5	THPGLO500.2768	86811	1000	1000	C	8/15/2012 6:54	JK LIGHT
2768	2768 GENESIS ULTRA 500W GY9.5	THPGLO500.2768	87974	300	300	C	11/15/2012 7:46	JK LIGHT
2768	2768 GENESIS ULTRA 500W GY9.5	THPGLO500.2768	88534	250	250	C	1/8/2013 7:45	JK LIGHT
2782	2782 AURORA 400-500W R7S/400-500W-241 RA R7S	THPURI400.2782	86128	1250	1250	B	8/8/2012 6:33	URI
2782	2782 AURORA 400-500W R7S/400-500W-241 RA R7S	THPURI400.2782	86128	784	784	B	10/26/2012 6:10	URI
2782	2782 AURORA 400-500W R7S/400-500W-241 RA R7S	THPURI400.2782	86128	463	463	B	11/14/2012 6:48	URI
2782	2782 AURORA 400-500W R7S/400-500W-241 RA R7S	THPURI400.2782	86128	1250	1250	B	12/28/2012 10:50	URI
2786	2786 LET 1000W-241-GYH9.5 RA	THPWWS10002786	86002	300	300	F	6/27/2012 7:13	WORLDWIDE SPECIALTY

<b>CATEGORY = A = 250W</b>	<b>0 QTY PIECES</b>
<b>B = 400W</b>	<b>5497 QTY PIECES</b>
<b>C = 500W</b>	<b>2400 QTY PIECES</b>
<b>D = 600W</b>	<b>0 QTY PIECES</b>
<b>E = 800W</b>	<b>100 QTY PIECES</b>
<b>F = 1000W</b>	<b>300 QTY PIECES</b>

## **DISTRIBUTOR LIST**

**ADDRESS = FUTURE INDUSTRIES = 135 RESEARCH DRIVE MILFORD CT. 06460**  
**JK LIGHT = KRUEGER DRIVE JONESBORO, AR 72401**  
**ULTRAVIOLET RESOURCES, INTL. CORP. = 5225 WEST 140TH BROOK PARK, OH 44142**  
**WORLDWIDE SPECIALTY =6759 OAK RIDGE COMMERCE WAY SW AUSTELL, GA 30168**

# **Summary of HP Lamps sales for Light Sources Inc. for the period Jan 1, 2012 to Dec. 31, 2012**

Lamp Body Type	Diameter	Arc Length	Total Volume (mm^2)	Volume in Litres	uCi at 1 atmosphere Volume X 50uCi/litre	Max fill (mbar)	uCi of Kr85/lamp Maximum Activity	Sales Quantity	2012 Total uCi
250W	14mm	15mm	2307.9	0.002308	0.115395	130	0.015001	0	0.000
400W	14mm	33mm	5077.4	0.005077	0.253869	130	0.033003	5497	181.417
500W	16mm	32mm	6430.7	0.006431	0.321536	100	0.032154	2400	77.169
600W	16mm	45mm	9043.2	0.009043	0.452160	110	0.049738	0	0.000
800W	25mm	29mm	14228.1	0.014228	0.711406	160	0.113825	100	11.383
1000W	28mm	48mm	29541.1	0.029541	1.477056	80	0.118164	300	35.449

**8297**

**Total 2012**

**305.418**

**microcuries**

**LIGHT SOURCES CURRENT STOCK BY MODEL TYPE - HP LAMPS 1/22/2013**

**7874 TOTAL**

[illegible]

CATEGORY = A = 250W	0 QTY PIECES
B = 400W	4699 QTY PIECES
C = 500W	2653 QTY PIECES
D = 600W	522 QTY PIECES
E = 800W	0 QTY PIECES
F = 1000W	0 QTY PIECES

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