

# Hamamatsu Xenon Flash Lamps

Hi-Tech Lamps, Inc.

Technical Lamp Specialist

Toll Free: 800-229-6509

[www.hi-techlamps.com](http://www.hi-techlamps.com)

Hamamatsu provides an extensive line of Xenon Flashlamps for almost any precision photometry, radiometry and spectroradiometry application. These short arc xenon flashlamps produce very high intensity microsecond pulses of broadband radiation. Repetition rates of up to 100 Hertz are available while maintaining very high stability. While similar to the Perkin Elmer FX1100 series, Hamamatsu's products are capable of up to 60 Watts average input power and wavelengths from 160 nanometers vacuum UV (VUV) region through the visible range and out to 2000 nanometers (infrared.) They offer exceptional arc stability and life characteristics over the largest range of power and spectrum in the industry. Hi-Tech Lamps offers the full range of standard Hamamatsu xenon flashlamps, shown in the table below, along with the appropriate trigger and sockets to make your product and experimental equipment design trouble free.

Hamamatsu also provides a line of Xenon Flashlamps Modules: PNs C5602, C5603, C5604, C5605.

These xenon flashlamp modules integrate the HQ type lamps and accessories (trigger socket and power supply) into an extremely simple and compact case which requires no complicated wiring. These modules are designed for easy integration into equipment requiring xenon flashlamps. The 10 watt modules are triggered with an external TTL level signal and can be computer controlled.

Part Number	Window Material	Arc Size mm	Min nm	Max nm	Max Avg Input Power	Max. Rep Rate	Jitter ns	Output Fluctuation	Guaranteed Life # of flashes	Cooling
L7685	Sapphire Glass	3	190	2000	60W	60 Hz	200	3.0%	8.0E+07	Cooling jacket required at ≥15W
L7684	Borosilicate Glass 1	3	240	2000	60W	60 Hz	200	3.0%	8.0E+07	Cooling jacket required at ≥15W
L6605	Sapphire Glass	3	190	2000	60W	60 Hz	200	3.0%	8.0E+07	Cooling jacket required at ≥15W
L6604	Borosilicate Glass 1	3	240	2000	60W	60 Hz	200	3.0%	8.0E+07	Cooling jacket required at ≥15W
L4647	Borosilicate Glass 1	3	240	2000	10W	100 Hz	200	3.0%	1.0E+09	Not required
L4646	UV Glass	3	185	2000	10W	100 Hz	200	3.0%	1.0E+09	Not required
L4645	Borosilicate Glass 2	3	280	2000	10W	100 Hz	200	3.0%	1.0E+09	Not required
L4644	UV Glass	3	185	2000	10W	100 Hz	200	3.0%	1.0E+09	Not required
L4643	Borosilicate Glass 1	1.5	240	2000	10W	100 Hz	200	3.5%	1.0E+09	Not required
L4642	UV Glass	1.5	185	2000	10W	100 Hz	200	3.5%	1.0E+09	Not required
L4641	Borosilicate Glass 2	1.5	280	2000	10W	100 Hz	200	3.5%	1.0E+09	Not required
L4640	UV Glass	1.5	185	2000	10W	100 Hz	200	3.5%	1.0E+09	Not required
L4634-01	UV Glass	1.5	185	2000	15W	100 Hz	200	5.0%	5.0E+08	Not required
L4634	Borosilicate Glass 1	1.5	240	2000	15W	100 Hz	200	5.0%	5.0E+08	Not required
L4633-01	UV Glass	1.5	185	2000	15W	100 Hz	200	5.0%	5.0E+08	Not required
L4633	Borosilicate Glass 1	1.5	240	2000	15W	100 Hz	200	5.0%	5.0E+08	Not required
L2453	Borosilicate Glass 1	1.5	240	2000	15W	100 Hz	200	3.5%	1.2E+09	Not required
L2452	UV Glass	1.5	185	2000	15W	100 Hz	200	3.5%	1.2E+09	Not required
L2451	Synthetic Silica	1.5	160	2000	15W	100 Hz	200	3.5%	1.2E+09	Not required
L2449	Borosilicate Glass 1	3	240	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2448	UV Glass	3	185	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2447	Synthetic Silica	3	160	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2445	Borosilicate Glass 1	8	240	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2444	UV Glass	8	185	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2443	Synthetic Silica	8	160	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2441	Borosilicate Glass 1	1.5	240	2000	10W	100 Hz	200	3.5%	1.2E+09	Not required
L2440	UV Glass	1.5	185	2000	10W	100 Hz	200	3.5%	1.2E+09	Not required
L2439	Synthetic Silica	1.5	160	2000	10W	100 Hz	200	3.5%	1.2E+09	Not required
L2437	Borosilicate Glass 1	1.5	240	2000	15W	100 Hz	200	3.5%	1.2E+09	Not required
L2436	UV Glass	1.5	185	2000	15W	100 Hz	200	3.5%	1.2E+09	Not required
L2435	Synthetic Silica	1.5	160	2000	15W	100 Hz	200	3.5%	1.2E+09	Not required
L2417	Borosilicate Glass 1	3	240	2000	10W	100 Hz	200	2.5%	1.2E+09	Not required
L2416	UV Glass	3	185	2000	10W	100 Hz	200	2.5%	1.2E+09	Not required
L2415	Synthetic Silica	3	160	2000	10W	100 Hz	200	2.5%	1.2E+09	Not required
L2360	Borosilicate Glass 1	3	240	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2359	UV Glass	3	185	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2358	Synthetic Silica	3	185	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2189	Borosilicate Glass 1	8	240	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2188	UV Glass	8	185	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required
L2187	Synthetic Silica	8	160	2000	15W	100 Hz	200	2.5%	1.2E+09	Not required

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