USHIO Applying Light to Life®

UXL Xenon Short Arc

For Scientific-Medical Applications

Ushio's UXL series are high pressure, short-arc xenon discharge lamps. UXL spectral distribution is well balanced in the visible spectrum to resemble daylight. The high gas fill pressure provides high luminance and high luminous efficacy. Fast ignition and a stable arc are what Ushio has achieved with the UXL lamp design.

FEATURES

- The luminance of the arc of Ushio xenon short arc lamps is very high while the size is very small. Thus, Ushio xenon short arc lamps are used in applications such as searchlights and projects.
- Ushio xenon short arc lamps display a near continuous spectral output in the visible region of light making the color rendering quality very close to natural daylight, a feature that has many advantages when using the lamps in applications as a standard light source. Ushio xenon short arc lamps also have a relatively strong distribution in the infrared region of the spectrum and are used as infrared radiation sources as well.
- Ushio xenon short arc lamps ignite and stabilize in moments compared with mercury arc lamps which require several minutes to reach stable operation. Also, the color does not vary as result of input power variations.

APPLICATIONS

- Microscopes
- Medical Equipment
- Spectral Luminosity Measurement Apparatus
- Infrared Communications
- High Luminosity Optical Measurements and Experiments
- Plant Growth Experiments
- Standard Daylight

SPECIFICATIONS

Watts (W)	Ordering Code	Lamp Description	Volts (V)	Amperage	Burn Position	Arc Gap (mm)	Contact to Contact (mm)	Luminous Flux (lm)	Avg Life (h)
75	5000371	UXL-75XE, Xe w/Trigger Wire 65W	12.5	5.4	V10/H10	0.8	80	1000	400
75	5000799	UXL-75X-O, Xe 75W	14	5.4	H15	0.8	80	1000	400
80	5000376	UXL-S75XE, Xe 80W	15	5.4	V10	1.3	80	14000	2000
150	5000325	UXL-150S, Xe 150W	20	7.5	V5	2.5	125	3000	1200
150	5000326	UXL-150S-O, Xe 150W	20	7.5	V5	2.5	125	3000	1200
150	5000327	UXL-151D-O, Xe 150W	20	7.5	V15	2.1	125	4500	1500
150	5000328	UXL-151H, Xe 150W	20	7.5	V15/H15	2.1	95	3000	1200
150	5000329	UXL-151H-O, Xe 150W	20	7.5	V15/H15	2.1	95	3000	1200
150	5000330	UXL-152H, Xe 150W	20	7.5	V5	2.5	125	3000	1200
150	5000331	UXL-152H-O, Xe 150W	20	7.5	V5	2.5	125	3000	1200
300	5000346	UXL-302-O, Xe 300W	20	15.0	V30	2.6	150	7000	900
300	5000348	UXL-306, Xe 300W	20	15.0	V15	2.6	150	7000	900
450	5000355	UXL-450SO, Xe 450W	18	25.0	V30	3.0	159	13000	2000
450	5003378*	UXL-450SP, Xe 450W	18	25.0	V30	3.0	212	13000	2000
450	5000357	UXL-451-O, Xe 450W	18	25.0	V30	3.0	212	13000	2000
500	5000360	UXL-500D-O, Xe 500W	20	25.0	V15/H15	4.0	204	16000	1500
550	5000368	UXL-553, Xe 550W	22	25.0	V15/H15	3.1	135	17100	1500
1000	5002060	UXL-10S, Xe 1000W	20	50.0	H15	4.2	214	33000	1500
1000	5001075	UXL-10SB, Xe 1000W	20	50.0	V15/H15	4.2	214	33000	1500
1600	5001076	UXL-16SB, Xe 1600W	22	65.0	V15/H15	4.0	214	56000	1500

* This lamp is an ozone producing type.

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