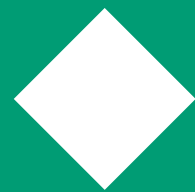


USHIO *Applying Light to Life*



Xenon Lamp

for Cinemas



Ushio continues to illuminate
the world of cinema



Ushio Lamps Are Certified by All Digital Cinema Projector Manufacturers

Ushio's lamps, which constitute the industry's largest product lineup, are engineered and certified for DCI-certified digital cinema projectors made by all manufacturers, and all lamps are certified products.

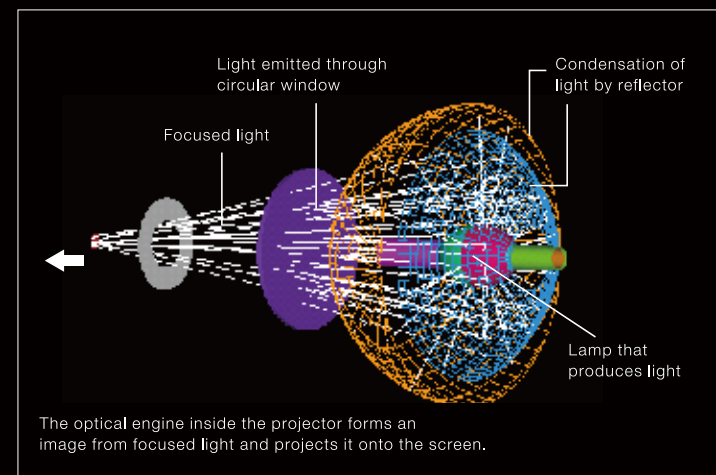
The only company in the industry that designs for all digital cinema projector manufacturers from the initial development stage

Only projectors that comply with the DCI standards set by the major Hollywood film studios can screen Hollywood films. All digital cinema projector manufacturers develop and design their products according to the DCI standards. Ushio is the only company among all xenon projector lamp manufacturers that is involved in the development and design of all digital cinema projectors. This extensive involvement provides Ushio with deep knowledge in optical design technology. As a result, Ushio has the capability to produce the ideal projection light for each projector.



Efficient Design for High-Quality Light

The brightness performance of a projector is determined by how many lumens it collects from the lamp. The technology to construct high-performance reflectors and lamp electrodes that are suitable for such reflectors plays a great role in improving light collection efficiency.



Simulation of the light source inside a projector



Inside the part of the projector where the lamp is installed

What Certified Products Can Do

Since all of Ushio's lamps are genuine certified products, they fit and can be stably used with projectors of all manufacturers. With genuine lamps, all information is logged inside the projector, making it possible to track down the cause of any troubles and provide support. The use of certified lamps helps minimize screening interruptions and loss of screening due to troubles, providing a high level of customer satisfaction.



Verify that products are manufactured according to their design.



Certified lamps can be installed and selected in a projector properly.

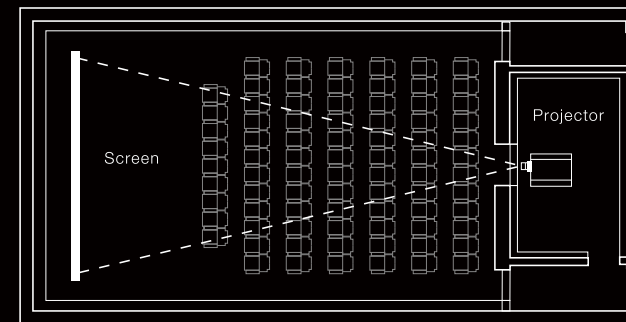


Offering the Widest Product Variety, You Will Find the Certified Lamp You Desire

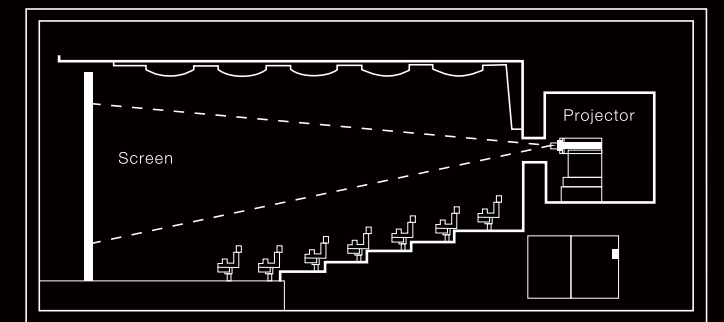
Ushio has the largest product lineup in the industry.

With the industry's largest product lineup, Ushio makes it possible to find just the certified lamp you need. Ushio offers a wide range of certified lamps tailored to various requirements and preferences, such as projector types, screen sizes, theater dimensions and environments, and customer preferences.

Additionally, Ushio continuously works to improve its products based on customer feedback, allowing it to continue providing high-quality products to meet diverse needs.



Theater representation (overhead view)



Theater representation (side view)

Pioneer of Long-Life Lamps

Ushio pioneered the introduction of "long-life lamps" to the world market. Today, long-life lamps have become the global standard, but it is Ushio that has pioneered the way and continues creating products of unparalleled quality.

Merit 1

Reducing the Frequency of Lamp Replacement

Long-life lamps reduce the frequency of lamp purchases and minimize the man-hours required for upkeep.

Merit 2

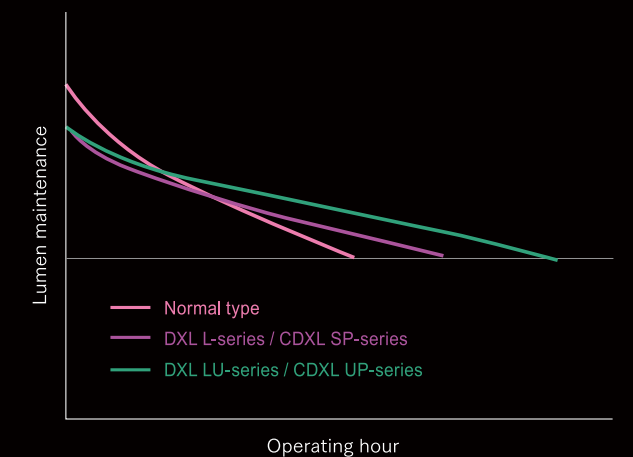
Long-lasting Quality

Ushio lamps maintain high quality even with extended usage, ensuring fulfillment of our guaranteed warranty period.

Merit 3

Reduced Environmental Impact

Reducing the frequency of lamp purchases also reduces lamp transportation and disposal requirements, yielding benefits for the environment, such as reduced CO₂ emissions, in addition to cost savings.



Ushio Technology Upholds Its No.1 Market Share

Delicate Glass Components Crafted by Human Hands

Glass, the main material used in lamps, is delicate, and when heat is applied to it during production, delicate adjustments are essential. This requires meticulous work and technical expertise. Ushio uses human hands based on experience and sensibility to perform sophisticated technical work through an education system that has been cultivated over many years of experience. This is the factor that allows Ushio to maintain its high quality.



Sealing of the bulb

Quality Inspections Conducted Only by Certified Technicians

Ushio has introduced a certification system for each manufacturing process, and only trained technicians perform quality inspections. Technical expertise is particularly important when evaluating fine details that are not amenable to machine measurement.

To confirm such details, the experience and intuition of skilled technicians is essential. This is what allows us to maintain high quality and reliability.

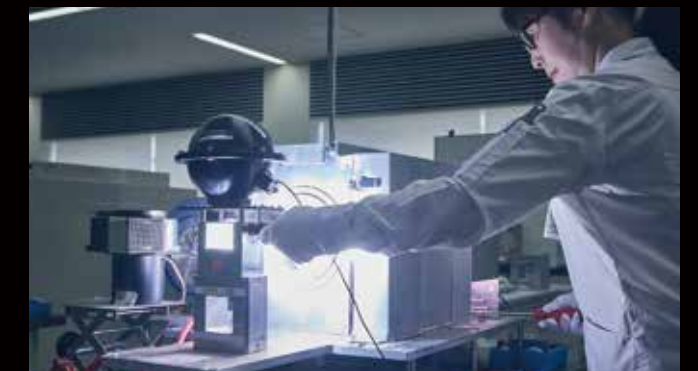


Visual inspection of appearance

Xenon lamps, which reproduce the beauty of natural sunlight, emerged during the era when movies were transitioning from black-and-white to color. Ushio developed the world's first horizontal lighting system, drastically improving the light-collecting efficiency of lamps and making it possible to create lamps suitable for color films. With its 65% share of the market and the largest total number of lamps shipped, Ushio has leveraged its wealth of experience, technical expertise, and customer feedback to create better products. All products are designed in Japan, and Ushio's unique technological capabilities ensure products of consistently high quality and performance.



Dimensional verification after electrode trimming



Luminosity inspection

High Productivity Through Automation

Based on the experience gained through its production of numerous products, Ushio leverages efficient processes and techniques by integrating automation. Our hybrid approach, combining automation with the work of skilled artisans, is a unique attribute of Ushio that enables both unparalleled quality and productivity.



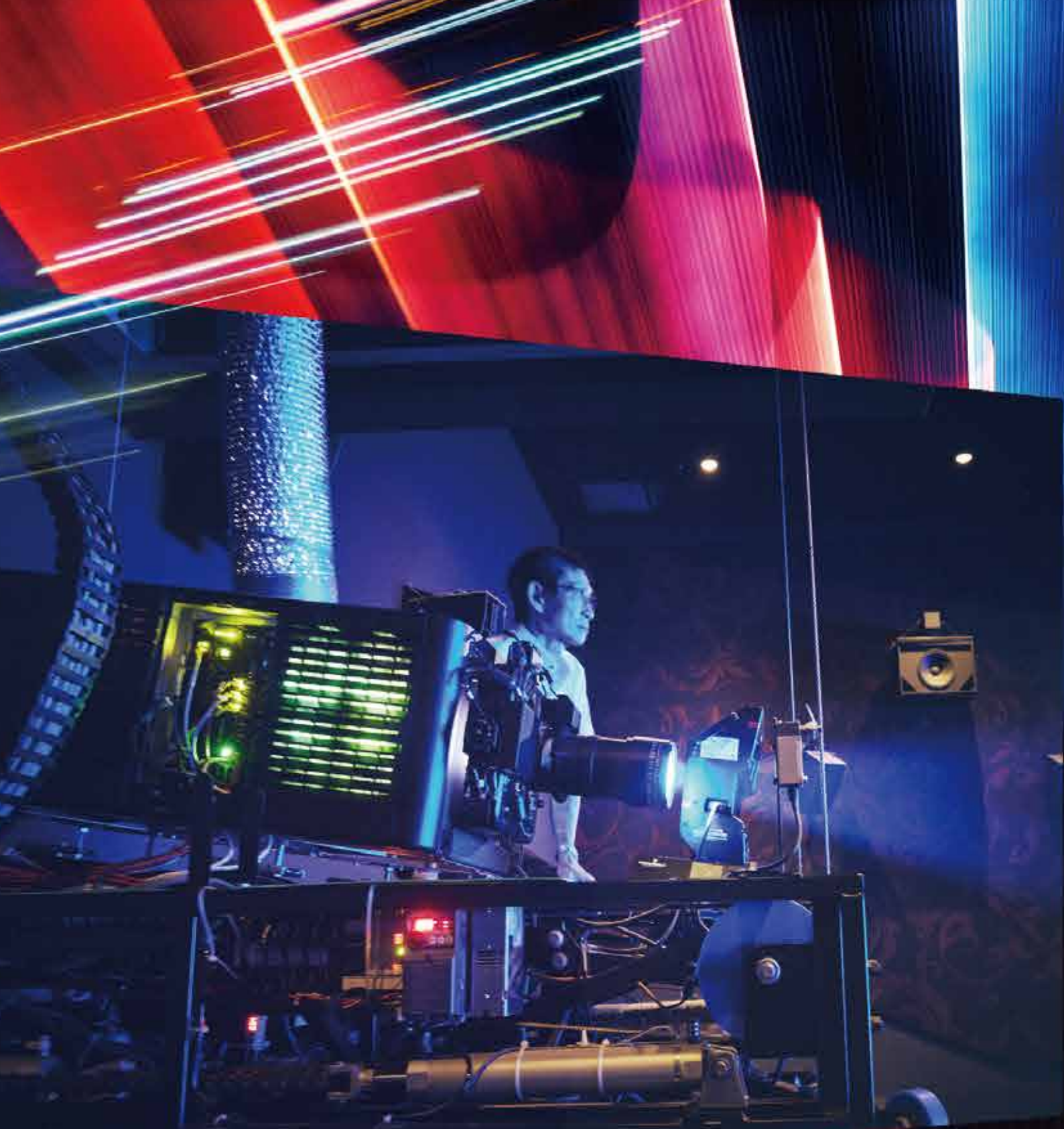
Automated inspection of cathode surface finishing



Molding of lamp bulbs



Automated inspection of bulb shape



Ushio continues to lead in illumination for cinema

Our role at Ushio is to continuously lead in providing illumination for the unique needs of cinema, enabling the sentiments and dedication of filmmakers to touch their audiences with drama, excitement, and wonder.



Product Lineup

DXL for Barco Projector

Lamp Type	Warranty	Rated Input Power	Rated Current	Rated Voltage	Cold Arc Gap
	Hours	W	A	V	mm
DXL-8BAF	2400	800	44	18.5	5.5
DXL-9BAF	3000	850	46	18.5	3.5
DXL-12BAF	3500(3000 ^{*1})	1200	60	20	4.5
DXL-16BAF	3000	1600	75	21.5	3.5
DXL-20BAF	3000(2400 ^{*1})	2000	80	25	4.5
DXL-20BAF/L	3200	2000	80	25	4.5
DXL-20BAF2	2400	2000	85	23.5	4.1
DXL-20BAF/LU	3700	2000	80	25	4.5
DXL-22BAF	2000 ^{*2} /1500	2200	83	26.5	4
DXL-30BA	1900(1500 ^{*1})	3000	98	24.5	5.5
DXL-30BA/L	1900	3000	115	26	5.5
DXL-30BAF	1500	2800	100	28	4.5
DXL-30BAF/L	1700	2800	100	28	5
DXL-30BAF/LU	2200	3000	102	29.4	5
DXL-40BAF	1000	4200	124	33.9	6
DXL-40BAF/L	1400	4200	124	33.9	6
DXL-40BAF/LU	1900	4200	133	31.6	6
DXL-45BA	1300(1000 ^{*1})	4500	130	28.5	6
DXL-45BA/L	1300	4500	145	31.5	6
DXL-60BA2	800(600 ^{*1})	6000	160	37.5	8
DXL-60BA2/L	800	6000	155	39	8
DXL-65BA2	500	6500	165	39.5	8
DXL-65BA3	700	6500	165	39.4	8
DXL-65BA/L	900	6500	165	39.4	8
DXL-70BA	300	7000	175	40	7.4

^{*1} The mentioned warranty hours are in case of all problems except for the ones with ^{*1}, then the first number is for "ignition & burst" and the number in brackets is in case of "other failures".

^{*2} The mentioned warranty hours are in case of only for "burst".

Cross Reference

Barco Projector	DP2K-8S	DP2K-10S	DP2K-12C	DP2K-15C DP2K-19B DP4K-19B	DP2K-20C DP2K-23B DP4K-23B	DP2K-32B DP4K-32B
Lamp Type	DXL-8BAF	DXL-8BAF	DXL-8BAF	DXL-8BAF	DXL-8BAF	DXL-12BAF
	DXL-9BAF	DXL-9BAF	DXL-9BAF	DXL-9BAF	DXL-9BAF	DXL-16BAF
	DXL-12BAF	DXL-12BAF	DXL-12BAF	DXL-12BAF	DXL-12BAF	DXL-20BAF
	DXL-16BAF	DXL-16BAF	DXL-16BAF	DXL-16BAF	DXL-16BAF	DXL-20BAF/L
	DXL-20BAF	DXL-20BAF	DXL-20BAF	DXL-20BAF	DXL-20BAF	DXL-20BAF/LU
	DXL-20BAF2	DXL-20BAF2	DXL-20BAF2	DXL-20BAF2	DXL-20BAF2	DXL-20BAF2
	DXL-20BAF/L	DXL-20BAF/L	DXL-20BAF/L	DXL-20BAF/L	DXL-20BAF/L	DXL-22BAF
	DXL-20BAF/LU	DXL-20BAF/LU	DXL-20BAF/LU	DXL-20BAF/LU	DXL-20BAF/LU	DXL-30BA
	DXL-22BAF	DXL-22BAF	DXL-22BAF	DXL-22BAF	DXL-22BAF	DXL-30BA/L
				DXL-30BAF	DXL-30BAF	DXL-30BAF
				DXL-30BAF/L	DXL-30BAF/L	DXL-30BAF/L
				DXL-30BAF/LU	DXL-30BAF/LU	DXL-30BAF/LU
				DXL-40BAF	DXL-40BAF	DXL-40BAF
				DXL-40BAF/L	DXL-40BAF/L	DXL-40BAF/L
				DXL-40BAF/LU	DXL-40BAF/LU	DXL-40BAF/LU
						DXL-45BA
						DXL-45BA/L
						DXL-60BA2
						DXL-60BA2/L
						DXL-65BA2
						DXL-65BA3
						DXL-65BA/L
						DXL-70BA

Christie® Xenolite® lamps for Christie Projectors

Lamp Type	Warranty	Rated Input Power	Rated Current	Rated Voltage	Cold Arc Gap
	Hours	W	A	V	mm
CDXL-14M	3000	1430	73.5	19.5	4
CDXL-16M	3000	1600	72	22.2	3.5
CDXL-18SD	1750	1800	75	24	3
CDXL-19SC	1500	1900	72	26.3	3.4
CDXL-19SUP	1900	1900	77.7	25	3.4
CDXL-20	2400	2000	80	25	4.5
CDXL-20SP	3200	2000	80	25	4.5
CDXL-20SD	1000	2000	75	26.5	3.7
CDXL-20LB	2400	2000	80	25	6
CDXL-21S1	1000	2100	80	26.5	3.4
CDXL-21SUP	1500	2100	83.5	25	3.4
CDXL-23S	700	2300	91	25	3.4
CDXL-23SUP	900	2300	91	25	3.4
CDXL-30	1500	3000	110	27	5.5
CDXL-30SP	1900	3000	110	27	5.5
CDXL-30SD	1000	3000	100	30	4.5
CDXL-30SUP	1500	3000	100	30	4.5
CDXL-45	1000	4500	145	31.5	6
CDXL-45SP	1300	4500	145	31.5	6
CDXL-60	600	6000	155	39	8
CDXL-60SP	800	6000	155	39	8
CDXL-60UP	1000	6000	165	36	8
CDXL-70	350	8000	190	42	7.6

Cross Reference

Christie Projector	Solaria One Solaria One+ CP2208 CP2308	CP2210	CP2215 CP2415-Xe	CP2000-ZX CP2220 CP4220 CP2420-Xe CP4420-Xe	CP2000-SB CP2230 CP4230
Lamp Type	CDXL-14M	CDXL-14M	CDXL-14M	CDXL-20LB	CDXL-20LB
	CDXL-16M	CDXL-16M	CDXL-16M	CDXL-20	CDXL-20
	CDXL-19SC	CDXL-18SD	CDXL-18SD	CDXL-20SP	CDXL-20SP
	CDXL-19SUP	CDXL-20SD	CDXL-20SD	CDXL-30	CDXL-30
	CDXL-21S1		CDXL-23S	CDXL-30SP	CDXL-30SP
	CDXL-21SUP		CDXL-23SUP	CDXL-30SD	CDXL-45
				CDXL-30SUP	CDXL-45SP
					CDXL-60
					CDXL-60SP
					CDXL-60UP

DXL for Sharp NEC Display Solutions Projector

Lamp Type	Warranty	Rated Input Power	Rated Current	Rated Voltage	Cold Arc Gap
	Hours	W	A	V	mm
DXL-12SN	3000	1200	60	20	4.5
DXL-12SN2	3000	1200	60	20	4.5
DXL-15SN	3000	1500	68	22	3.5
DXL-20SN3	2400	2000	75	26	4
DXL-20SN/L	3300	2000	75	26	4
DXL-21SN/L	3300	2000	75	26	4
DXL-21SN3	2400	2000	75	26	4
DXL-30SN2	1200	3000	98	30.5	5.4
DXL-30SN2/L	1800	3000	98	30.5	5.4
DXL-31SN2	1200	3000	105	28.5	5.4
DXL-31SN2/L	1800	3000	98	30.5	5.4
DXL-40SCN	1500	4000	135	29	7
DXL-40SN	650	4000	125	32	5
DXL-40SN/L	850	4000	120	33	5.3
DXL-40SN2	1000	4000	125	32	6
DXL-41SCN	1500	4000	135	29	7
DXL-41SN2	1000	4000	125	32	6
DXL-41SN	650	4000	125	32	5
DXL-41SN/L	850	4000	120	33	5.3
DXL-45SN	1000	4500	145	31.5	6
DXL-45SN/L	1500	4500	145	31.5	6
DXL-60SN	600	6000	155	39	8
DXL-60SN/L	800	6000	155	39	8
DXL-60SN/LU	1000	6000	155	39	8
DXL-70SN	300	7000	175	40	7.4

Cross Reference

Sharp NEC Display Solutions Projector	NC1200C	NC1600C	NC2000C	NC3200S NC3240S	NC2500S NC3200S NC3240S
Lamp Type	DXL-12SN	DXL-20SN3	DXL-12SN	DXL-12SN2	DXL-21SN3
	DXL-15SN	DXL-20SN/L	DXL-15SN	DXL-21SN3	DXL-21SN/L
	DXL-20SN3	DXL-30SN2	DXL-20SN3	DXL-21SN/L	DXL-31SN2
	DXL-20SN/L	DXL-30SN2/L	DXL-20SN/L	DXL-31SN2	DXL-31SN2/L
		DXL-40SN	DXL-30SN2	DXL-31SN2/L	DXL-41SCN
		DXL-40SN/L	DXL-30SN2/L	DXL-41SCN	DXL-41SN2
		DXL-40SN2	DXL-40SN	DXL-41SN	DXL-41SN
		DXL-40SCN	DXL-40SN/L	DXL-41SN/L	DXL-41SN/L
			DXL-40SN2	DXL-41SN2	DXL-45SN
			DXL-40SCN		DXL-45SN/L
					DXL-60SN
					DXL-60SN/L
					DXL-60SN/LU
					DXL-70SN

*1 Combination of 4kw lamp power supply unit

*2 Combination of 7kw lamp power supply unit



DXL for Sony Projector

Lamp Type	Warranty	Rated Input Power	Rated Current	Rated Voltage	Cold Arc Gap
	Hours	W	A	V	mm
DXL-20SRX	3000 (2400 ^{*1})	2000	78	25.5	4
DXL-20SRX/L	3500	2000	80	25	4.5
DXL-30SRX	1000	3000	100	30	4.5
DXL-30SRX/L	1800	3000	97	31	5
DXL-40SRX	800	4200	121	34.5	4.8
DXL-40SRX/L	650 / 750 ^{*2} (325/375 ^{*1})	4200	131	32	5
DXL-40SRX/LL	1000	4000	117	34	6

^{*1} The mentioned warranty hours are in case of all problems except for the ones with^{*1}, then the first number is for "ignition & burst" and the number in brackets is in case of "other failures"
^{*2} Warranty hours depend on your projector model. 750 h: based on the use of "SRX-R320"(input power : 4000W); 650 h: based on the use of "SRX-R220"(input power: 4200W).

Cross Reference

Sony Projector	SRX-R220	SRX-R320
Lamp Type	DXL-20SRX	DXL-20SRX
	DXL-20SRX/L	DXL-20SRX/L
	DXL-30SRX	DXL-30SRX
	DXL-30SRX/L	DXL-30SRX/L
	DXL-40SRX	DXL-40SRX
	DXL-40SRX/L	DXL-40SRX/L
	DXL-40SRX/LL	DXL-40SRX/LL

UXL for Film Projector

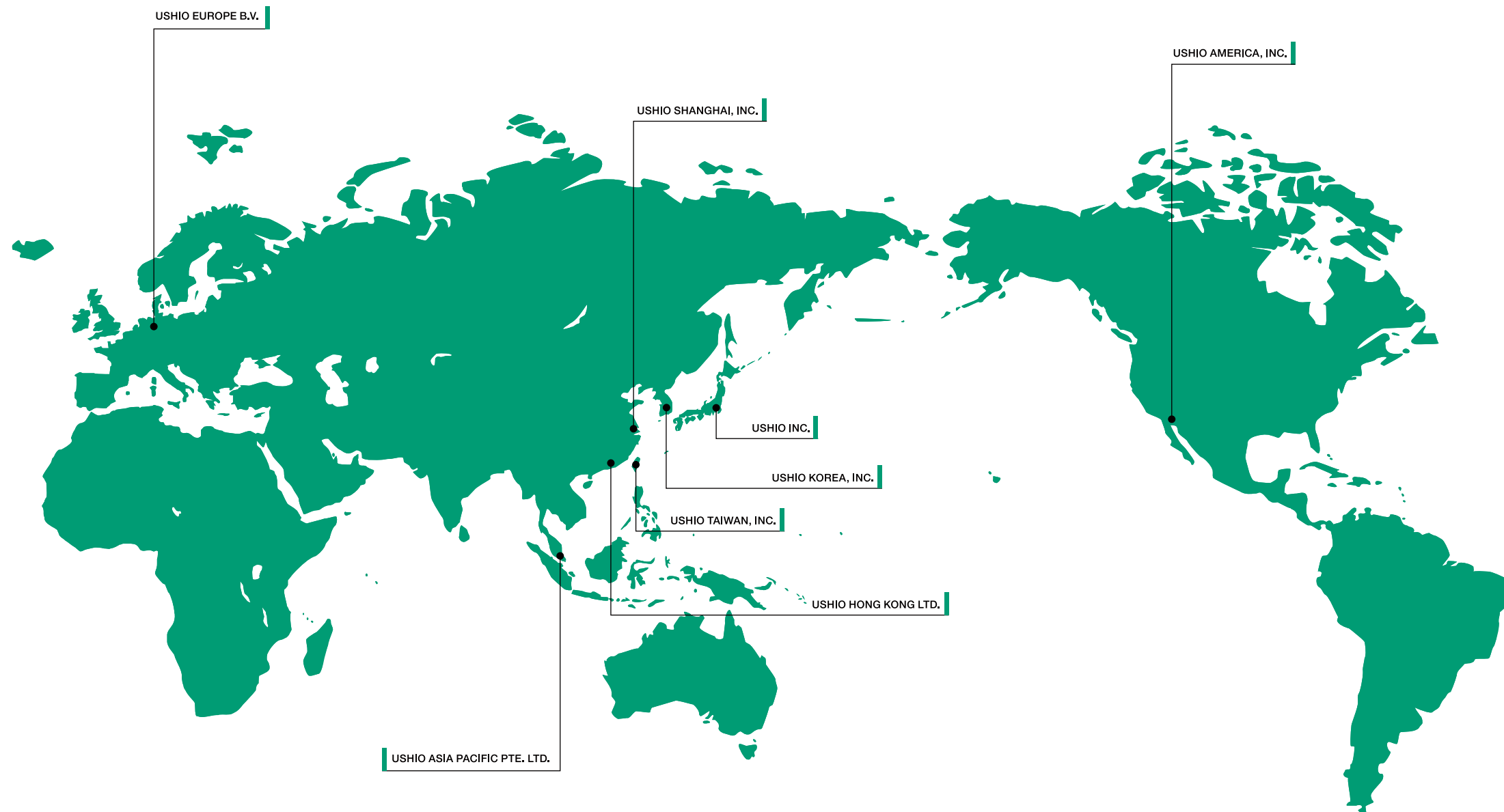
Lamp Type	Warranty	Rated Input Power	Rated Current	Rated Voltage	Cold Arc Gap
	Hours	W	A	V	mm
UXL-10SCB	2000	1000	50	20	4.2
UXL-16SCB	2000	1430	65	22	4
UXL-16SCBH	2000	1500	65	23	3.6
UXL-2000HR	2400	2000	70	29	6
UXL-20SC	2400	2000	80	25	6
UXL-20SCH	2400	2000	80	25	4.4
UXL-21SCB	2400	2000	70	28	6
UXL-21SCBH	2400	2000	70	28	5.5
UXL-25SC	1500	2500	90	28	6
UXL-25SCH	1500	2500	90	28	4.9
UXL-3000HR	1500	3000	100	26	7
UXL-30SC	1500	3000	100	30	6
UXL-30SCH	1500	3000	100	30	5.4
UXL-40SC	1200	4000	135	29	7
UXL-40SCH	1000	4000	135	29	6.4
UXL-5000HR	1000	5000	140	35	8
UXL-50SC	1000	5000	140	35	8
UXL-50SCH	1000	5000	140	35	7
UXL-60SC	600	6000	160	37	9
UXL-60SCH	500	6000	155	39	8
UXL-70SC	500	7000	160	43	11
UXL-70SCH	500	7000	160	43	10

Ushio Around the World

We can respond to your requests promptly, as our local corporations all over the world are offering technical support and selling consumables.

If you would like to know more about these items or an order, please feel free to contact us.

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