

# MEDIUM PRESSURE CURING

*for Graphic Arts Applications*

Quality is always a top priority for USHIO, which is why all medium pressure graphic art lamps are manufactured in an ISO 9001 certified facility. With wattages ranging from 250W to over 20kW, lamp lengths from under 100cm to over 2m, and an assortment of base types, these versatile lamps can be customized for a variety of applications. By using a mixture of additives during manufacturing, USHIO is able to shift the wavelength of the light to more accurately and efficiently meet output needs for curing applications across a wide array of materials. USHIO's graphic art lamps are repeatedly chosen for their quality and customizable features.



**Metal Halide  
MHL**



**Double-Ended  
Halogen Quartz**



**Xenon  
UXL**



**Flash Lamp  
UPX**

# MEDIUM PRESSURE CURRING



METAL HALIDE & MERCURY LAMPS

MHL



Watts (W)	Ordering Code	Lamp Description	Dimensions (mm)			Spectral Range (nm)	Lead Wire Length (mm)	Base Type	Contact	Process	Fig
			Dia (A)	MOL (B)	LCL (C)						
1000	5000061	MHL-1000	25	130	24	400-450	90	Ceramic	AMP Connector	Diazo	1
1200	5000062	MHL-1000/1	23	147	68	350-370	—	RSC	RX7s	Photo-Polymer	2
1000	5000064	MHL-1000S	25	134	24	400-450	80	Ceramic/THS	AMP Connector	Diazo	3
1000	5000065	MHL-1007	25	130	24	300-450	90	Ceramic	AMP Connector	Multi-Spectrum	1
450	5000068	MHL-12	16	110	31	400-450	300	Ceramic	Wire Insulated	Diazo	4
3000	5000071	MHL-121HT	25	181	86	400-450	—	Metal 14.3mm	Metal	Diazo	5
1000	5000072	MHL-13	28	159	75	400-450	300	Ceramic	Wire Insulated	Diazo	4
2000	5000073	MHL-1403	25	180	86	300-450	—	Metal 9.5mm	Metal	Multi-Spectrum	5
1500	5000078	MHL-1507S	25	134	24	300-450	80	Ceramic/THS	AMP Connector	Multi-Spectrum	3
6000	5000079	MHL-153LY	28	240	127	300-450	60	Ceramic	AMP Connector	Multi-Spectrum	6
2000	5000081	MHL-17	28	189	102	400-450	—	Ceramic	Wire Insulated	Diazo	4

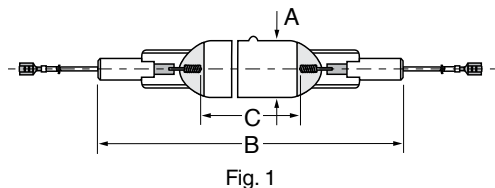


Fig. 1

Base: Ceramic  
Contact: AMP Connector  
Wire: Insulated

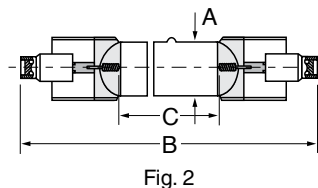


Fig. 2

Base: RSC  
Contact: RX7s

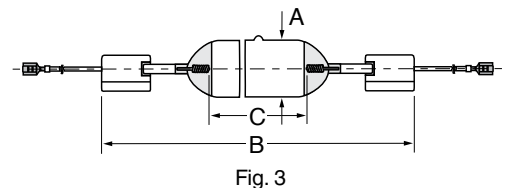


Fig. 3

Base: Ceramic/THS  
Contact: AMP Connector  
Wire: Insulated

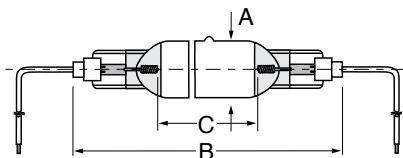


Fig. 4

Base: Ceramic  
Contact: Wire Insulated

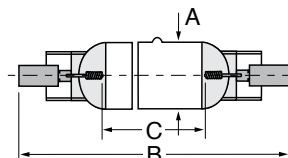


Fig. 5

Base: Metal  
Contact: Metal

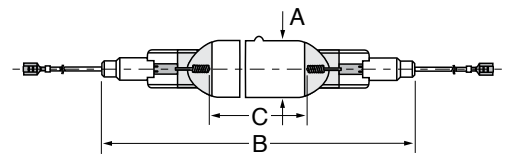


Fig. 6

Base: Ceramic  
Contact: AMP Connector  
Wire: Not Insulated

**Hg** - LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws. Visit [www.lamprecycle.org](http://www.lamprecycle.org) or call 800.895.8842.

MHL



Watts (W)	Ordering Code	Lamp Description	Dimensions (mm)			Spectral Range (nm)	Lead Wire Length (mm)	Base Type	Contact	Process	Fig
			Dia (A)	MOL (B)	LCL (C)						
5000	5000082	MHL-170L	28	189	102	400-450	56	Ceramic	Spade Tongue	Diazo	1
2000	5000084	MHL-2000/1	25	172	75	400-450	—	Metal 14.3mm	Metal	Diazo	2
2000	5000085	MHL-2000/2	25	180	86	350-370	—	Metal 9.5mm	Metal	Photo-Polymer	3
2000	5000086	MHL-2000/3	25	180	86	400-450	—	Metal 9.5mm	Metal	Diazo	3
250	5000089	MHL-250	15.5	68	18	300-450	—	RCS	R7s	Multi-Spectrum	4
2000	5000788	MHL-252L	28	189	102	300-450	56	Ceramic	Spade Tongue	Multi-Spectrum	1
5000	5000090	MHL-261L	28	189	102	350-370	56	Ceramic	Spade Tongue	Photo-Polymer	1
8000	5000091	MHL-280L	28	250	154	400-450	95	Ceramic	Spade Tongue	Diazo	5
8000	5000092	MHL-281L	28	247	127	300-450	60	Ceramic	Spade Tongue	Multi-Spectrum	6
8000	5000093	MHL-282L	28	247	127	400-450	60	Ceramic	Spade Tongue	Diazo	6

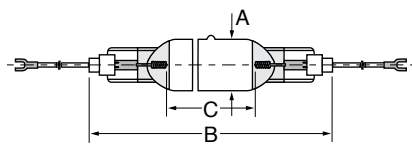


Fig. 1

Base: Ceramic  
Contact: Spade Tongue  
Wire: Insulated

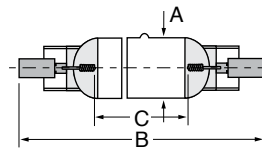


Fig. 2

Base: Metal  
Contact: Metal

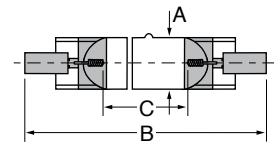


Fig. 3

Base: Metal  
Contact: Metal

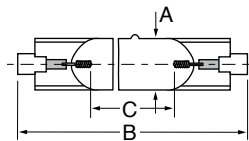


Fig. 4

Base: RSC  
Contact: R7s

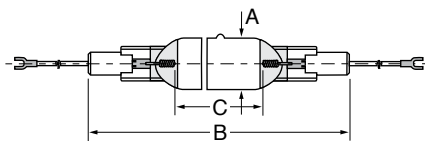


Fig. 5

Base: Ceramic  
Contact: Spade Tongue  
Wire: Insulated

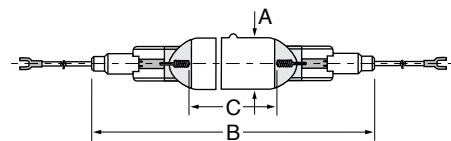


Fig. 6

Base: Ceramic  
Contact: Spade Tongue  
Wire: Insulated

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METAL HALIDE & MERCURY LAMPS

MHL



Watts (W)	Ordering Code	Lamp Description	Dimensions (mm)			Spectral Range (nm)	Lead Wire Length (mm)	Base Type	Contact	Process	Fig
			Dia (A)	MOL (B)	LCL (C)						
3000	5000098	MHL-3001S	28	133	47	400-450	90	Ceramic/THS	AMP Connector	Diazo	1
3000	5000102	MHL-3007S	28	133	47	300-450	90	Ceramic/THS	AMP Connector	Multi-Spectrum	1
3000	5000104	MHL-3027S	25	190	102	300-450	90	Ceramic/THS	AMP Connector	Multi-Spectrum	1
6000	5000106	MHL-33LY	24.4	240	127	300-450	60	Ceramic	AMP Connector	Multi-Spectrum	2
6000	5000107	MHL-38KT	28	222	120	400-450	—	Metal 12.7mm	Metal	Diazo	3
3500	5000112	MHL-4007	28	230	102	300-450	—	Metal/Wing	Metal	Multi-Spectrum	4
450	5000114	MHL-450	16.3	106	31	300-450	—	RSC	R7s	Multi-Spectrum	5
450	5000115	MHL-460	16.3	106	31	400-450	—	RSC	R7s	Diazo	5
5000	5000116	MHL-5000	28	190	102	400-450	100	Ceramic	AMP Connector	Diazo	6
5000	5000118	MHL-5000/4	25	281	175	400-450	—	Metal 14.3mm	Metal	Diazo	3
5000	5000120	MHL-5000/7	25	281	175	300-450	—	Metal 14.3mm	Metal	Multi-Spectrum	3
5000	5000124	MHL-5007S	28	190	102	300-450	90	Ceramic/THS	AMP Connector	Multi-Spectrum	1
5000	5000126	MHL-5020	28	240	154	400-450	150	Ceramic	AMP Connector	Diazo	6
5000	5000127	MHL-5020S	28	240	154	300-450	150	Ceramic/THS	AMP Connector	Multi-Spectrum	1
5000	5000128	MHL-5027	28	240	154	300-450	150	Ceramic	AMP Connector	Multi-Spectrum	6
5000	5000129	MHL-5027S	28	240	154	300-450	150	Ceramic/THS	AMP Connector	Multi-Spectrum	1
6000	5000132	MHL-6027S	28	215	127	300-450	160	Ceramic/THS	AMP Connector	Multi-Spectrum	1
7500	5000135	MHL-8027S	28	215	127	300-450	160	Ceramic/THS	AMP Connector	Multi-Spectrum	1

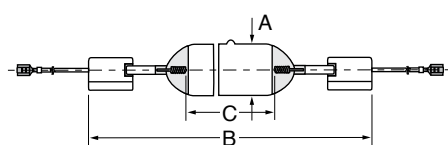


Fig. 1

Base: Ceramic/THS  
Contact: AMP Connector  
Wire: Insulated

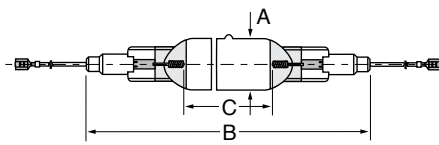


Fig. 2

Base: Ceramic  
Contact: AMP Connector  
Wire: Not Insulated

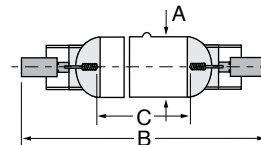


Fig. 3

Base: Metal  
Contact: Metal

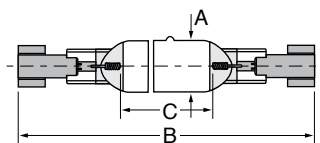


Fig. 4

Base: Metal Wing  
Contact: Metal

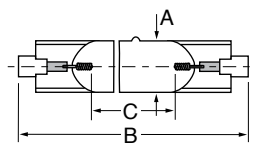


Fig. 5

Base: RSC  
Contact: R7s

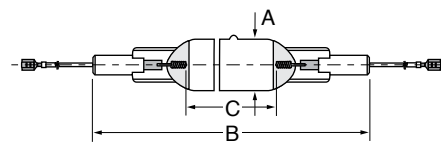


Fig. 6

Base: Ceramic  
Contact: AMP Connector  
Wire: Insulated

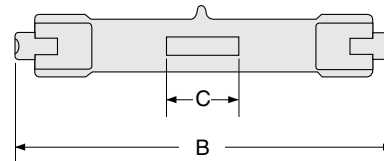
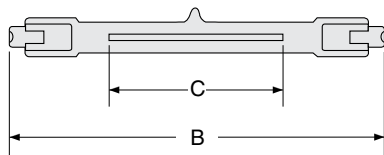
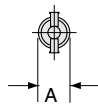
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**J, JP & JPD**

- Only for Use in Approved Enclosed Halogen Fixtures
- Recessed Single Contact Base - R7s-12, R7s-18
- C-8 & CC-8 Linear Filaments

Watts (W)	Ordering Code	Lamp Description	Dimensions (mm)			Filament Type	Lumens (lm)	Color Temp (K)	Avg Life (h)	Bulb Finish	Burn Position
			Dia (A)	MOL (B)	LCL (C)						
<b>R7s-12 Base</b>											
500	1000736	J220V-500WE	12.0	119.6	65.0	C-8	9500	3000	2000	Clear	Univ
750	1000738	J220V-750WB1	12.0	119.6	69.0	C-8	16100	3050	1500	Clear	Univ
500	1001084	JP220V-500WC	12.0	119.6	62.0	C-8	12500	3200	200	Clear	Univ
1250	1001086	JP225V-1250WC1	12.0	191.1	135.0	C-8	33500	3200	200	Clear	Univ
<b>R7s-18 Base</b>											
420	1000518	FFM, JPD120V-420WC1	15.0	80.3	13.0	CC-8	11000	3200	75	Clear	Univ
650	1000485	FCA, JPD120V-650WSF	15.0	80.3	16.0	CC-8	19000	3400	35	Frost	Univ



R7s-12

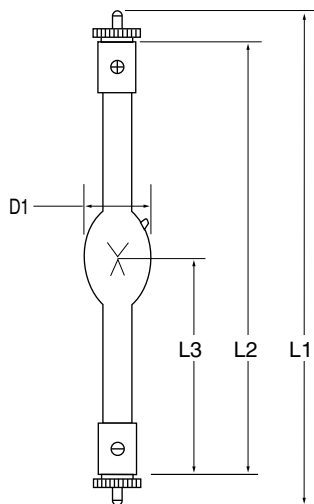
R7s-18

# XENON

## UXL

- Horizontal & Vertical Burn Position
- Standard Life & Long Life Version
- Xenon Filled

Watts (W)	Ordering Code	Lamp Description	Lamp Current (A)	Volts (V)	Approx Lumens (lm)	Luminous Intensity (cd)	Avg Life (h)	Dimensions (mm)			
								Dia (D1)	Length (L1)	Length (L2)	Length (L3)
150	5000323	UXL-150M-O	8.5	17.5	2900	290	1500	19	150	125	58
150	5000375	UXL-S150M-O	8.5	17.5	2900	290	3000	19	150	125	58



**UPX**

- Universal Burn Position
- Insulated Wire
- Flash Lamp

Watts (W)	Ordering Code	Lamp Description	Volts (V)	Pulse Frequency (pps)	Approx Lumens (lm)	Color Temp (K)	Avg Life (h)	Max Seal Temp	Lead Wire Length (mm)	Base Type	Fig
600	5000262	UPX-44	52	100	18000	5400	150	200°C	188	Ceramic	1
4000	5000268	UPX-50	210	100	125000	5400	200	370°C	190	Ceramic	2
8000	5000271	UPX-80	420	100	240000	5400	200	370°C	177.8	Ceramic	3

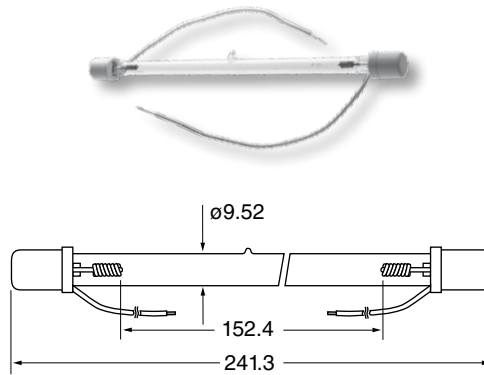


Fig. 1

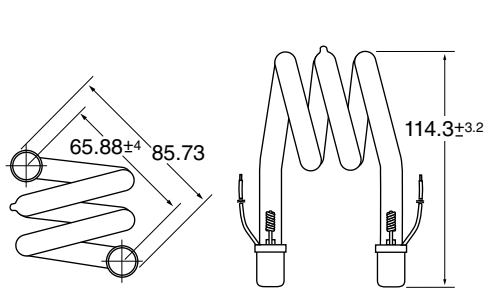


Fig. 2

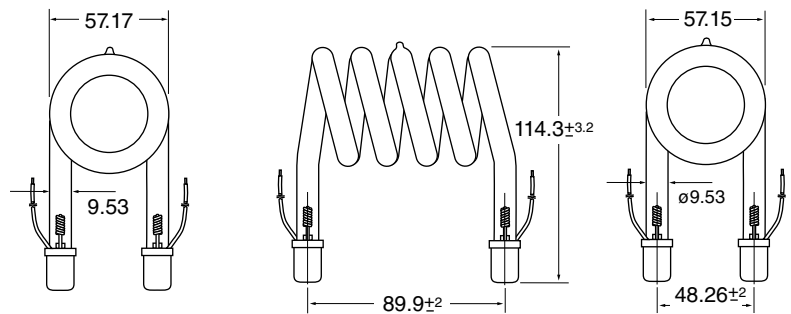


Fig. 3