

COLORLITE™ SERIES

- Consistent Color
- No Color Filter or Gels Required for Fixture
- 6,000 Hours Useful Life



Please see Safety and Handling Instructions on page 89.

Watts	Ushio Ordering Code	Ushio Lamp Code	Volts	Lamp Current A	Dimensions			Luminous			ANSI Ballast/ Fixture	Burn Position	Case Qty
					Dia (A)	MOL (B)	LCL (C)	Flux lm	Wavelength nm	Saturation %			
Single Ended – E26 Medium Screw Base													
150	5001453	UHI-S150/E26/BLUE	—	1.80	2.13	5.43	3.39	3900	470	70	M102/E	Univ	12
150	5001452	UHI-S150/E26/GREEN	—	1.80	2.13	5.43	3.39	12500	530	46	M102/E	Univ	12
150	5001498	UHI-S150/E26/MAGENTA	—	1.80	2.13	5.43	3.39	7500	-530	43	M102/E	Univ	12
150	5001499	UHI-S150/E26/ORANGE	—	1.80	2.13	5.43	3.39	11200	600	54	M102/E	Univ	12
175	5001455	UHI-S175/E26/BLUE	—	1.50	2.13	5.43	3.39	3900	470	70	M57/E	Univ	12
175	5001454	UHI-S175/E26/GREEN	—	1.50	2.13	5.43	3.39	12500	530	46	M57/E	Univ	12
175	5001500	UHI-S175/E26/MAGENTA	—	1.50	2.13	5.43	3.39	7500	-530	43	M57/E	Univ	12
175	5001501	UHI-S175/E26/ORANGE	—	1.50	2.13	5.43	3.39	11200	600	54	M57/E	Univ	12
Single Ended – E39 Mogul Screw Base													
250	5001484	UHI-S250/E39/BLUE	—	3.00	1.81	8.86	5.91	5400	465	66	M80/E*	Univ	12
250	5001485	UHI-S250/E39/GREEN	—	3.00	1.81	8.86	5.91	21000	530	50	M80/E*	Univ	12
250	5001486	UHI-S250/E39/MAGENTA	—	3.00	1.81	8.86	5.91	11000	-560	29	M80/E*	Univ	12
250	5001487	UHI-S250/E39/ORANGE	—	3.00	1.81	8.86	5.91	17000	595	54	M80/E*	Univ	12
400	5000947	UHI-S400BL, BLUE	—	3.25	1.81	10.83	6.89	8000	465	66	M59/E	Univ	12
400	5000946	UHI-S400GR, GREEN	—	3.25	1.81	10.83	6.89	35000	535	63	M59/E	Univ	12
400	5000948	UHI-S400MG, MAGENTA	—	3.25	1.81	10.83	6.89	21000	500	25	M59/E	Univ	12
1000	5001189	UHI-S1000BL, BLUE	—	4.10	2.99	13.39	8.66	22000	455	61	M47/E	H#60°	6
1000	5001188	UHI-S1000GR, GREEN	—	4.10	2.99	13.39	8.66	92000	535	60	M47/E	H#60°	6
Double Ended – RX7s Base													
					C-to-C								
150	5000821	UHI-150BL, BLUE	95	1.80	0.91	5.20	2.60	3000	465	55	M81/E	H#45°	10
150	5000822	UHI-150GR, GREEN	95	1.80	0.91	5.20	2.60	9500	535	51	M81/E	H#45°	10
150	5000824	UHI-150OR, ORANGE	95	1.80	0.91	5.20	2.60	10000	595	63	M81/E	H#45°	10

Recommended Ignition Voltage: 4kV

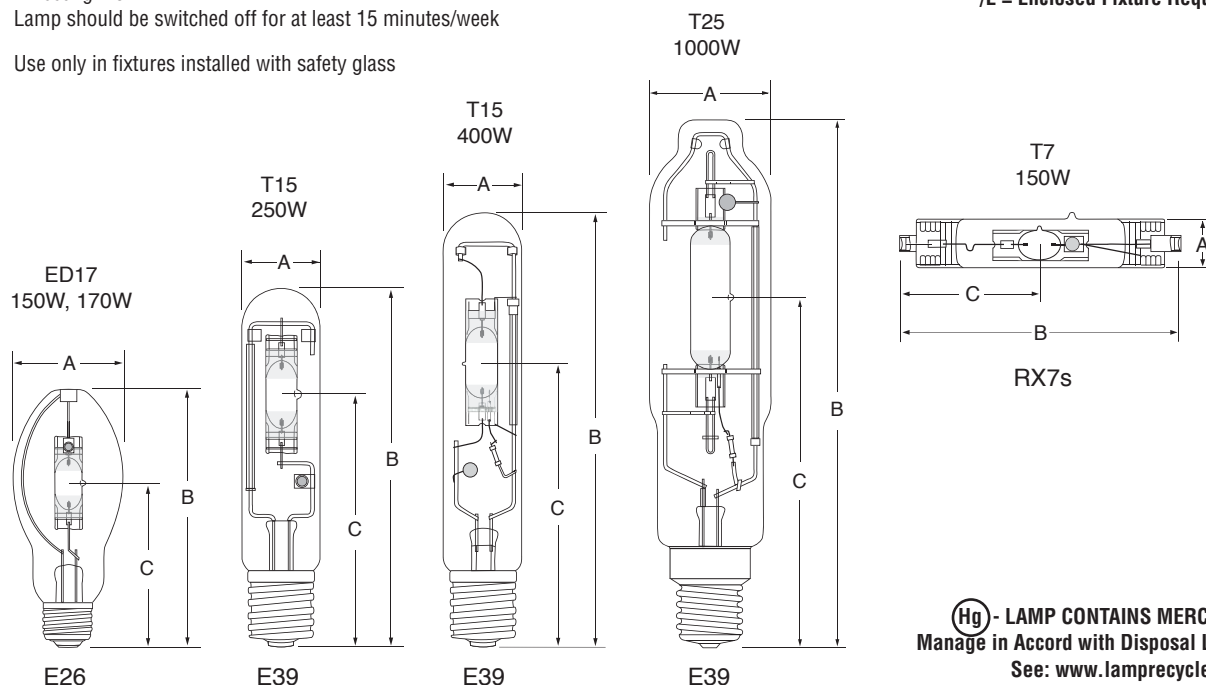
* Need ignitor with 4kV

Lamp should be switched off for at least 15 minutes/week

Use only in fixtures installed with safety glass

All dimensions shown in inches unless otherwise noted.

/E = Enclosed Fixture Required



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 See: www.lamprecycle.org

MHR SERIES

- Cold Mirror Reflector
- Compact Design
- Standard AMP Connector

Please see Safety and Handling Instructions on page 89.

Watts	Ushio Ordering Code	Ushio Lamp Code	Volts	Ignition Voltage kV	Lamp Current A	Luminous Flux through $\phi 13\text{mm}$ distance 42mm lm^*	Luminous Flux through $\phi 10\text{mm}$ distance 44mm lm^*	Aperature $\phi 25\text{mm}$ distance 33mm lm^{**}	Color Temp K	CRI	Avg Life h	ANSI Ballast/Fixture
AMP Connector												
150	5000834	MHR-150N	95	4	1.8	2000	2200	5300	4200	75	6000	M81/E

Optimal distance from reflector to fiber (with $\phi 13\text{mm}$ fiber bundle):
 100W & 150W: 42mm
 250W: 53mm

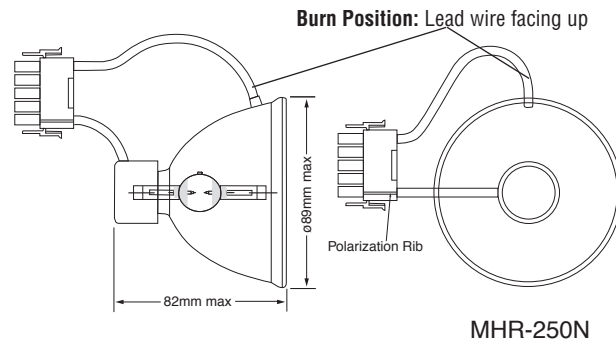
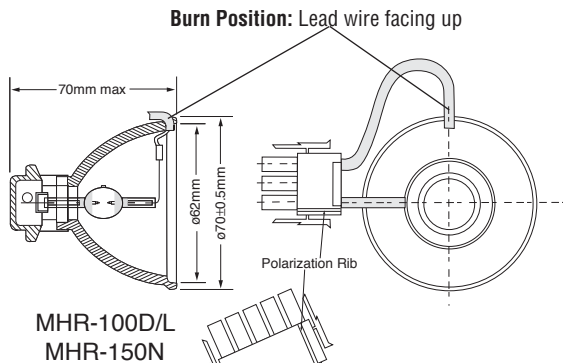
Length of Base Lead Wire: Approx. 75mm

Base Type: AMP Universal Mate-N-Lok
 MHR-100D/L: 3 channel plug
 MHR-150N: 5 channel plug
 MHR-250N: 5 channel plug



/E = Enclosed Fixture Required

- * Measurement taken with optical sphere
- ** Measurement taken through fiber bundle
- ▲ ($\phi 13\text{mm}$; distance 53mm)



Ballast & Ignitor Information

At the end of their lifetime, metal halide lamps may show rectifier effects causing a rise in current of up to 3 times of the rated value thereby possibly damaging the ballast. Therefore we recommend to use only ballasts with integrated thermoswitch. For line compensation, a capacitor should be used. It is recommended to use ignitors with a timer switch. The use of electronic ballasts is possible if the operating frequency is below 250Hz. All lamps must be used with 4kV ignitor.

MHR-100D/L

Warm-up Time to 95% luminous flux: 2.5 minutes with standard ballast
 Reignition Time: Approximately 1 minute

MHR-150N

Warm-up Time: 3 minutes
 Reignition Time: Approximately 2 minutes

MHR-250N

Warm-up Time: 10 minutes
 Reignition Time: Approximately 7 minutes

Warning!

The lamp emits UV radiation which can cause serious eye and skin damage. Therefore, the lamp must be used only in closed lamp houses.

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