

ULTRA-ARC™ SERIES

- Consistent Color
- High Pressure Sodium Retrofit
- High Color Temperature - 5200K
- 85 Color Rendering Index
- Universal Burn Position

Please see Safety and Handling Instructions on page 89.



Watts	Ushio Ordering Code	Ushio Lamp Code	Lamp Current A	Dimensions			Color Temp K	Mean Lumens	Luminous Flux lm	Avg Life* h	ANSI Ballast/ Fixture	Case Qty	
				Dia (A)	MOL (B)	LCL (C)							
Mogul Screw Base – E39													
mm													
250	5001175	UHI-S250DD	3.0	1.81	8.86	5.90	24	5200	14000	20000	15000	S50**/E	12
400	5000798	UHI-S400DD	4.6	1.81	9.76	5.75	27	5200	23000	33000	20000	S51**/E	12

Recommended Ignition Voltage: 2kV
 Lamp should be switched off for at least 15 minutes/week
 *Based on (11 hours ON and 1 hour OFF)

All dimensions shown in inches unless otherwise noted.
 /E = Enclosed Fixture Required
 ** use with ignitor

Ultra-Arc™ Metal Halide lamps feature the best combination of color balance and color rendering quality available for a direct retrofit into High Pressure Sodium fixtures.

The **Ultra-Arc™** lamps are used in High Pressure Sodium fixtures where the high color rendering and white light of metal halide is desired. Ideal for areas where security is a concern –higher color rendering lamps allow for surveillance/security cameras and eyewitnesses to visually interpret in true colors.

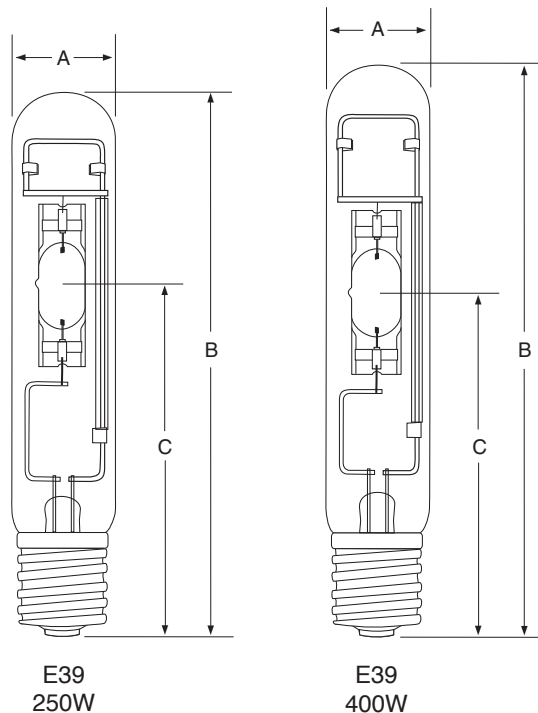
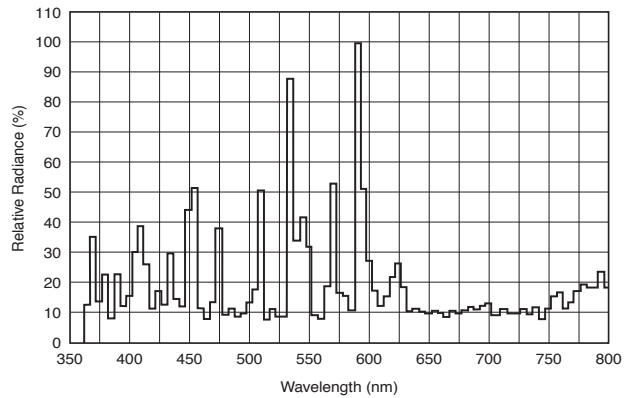
Applications:

- Security
- Parking Structures
- Downlighting
- Commercial & Industrial

Color Coordinates:

x = .340 y = .350

5200K SPECTRAL DISTRIBUTION



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 Manage in Accord with Disposal Laws
 See: www.lamprecycle.org

EUROFLOOD™ UHI SERIES

- Color Stable
- High Efficacy - 80 lm/W
- Long Life - 10,000 Hours Average
- Compact Design
- 80 Color Rendering Index
- UV Protection

Please see Safety and Handling Instructions on page 89.



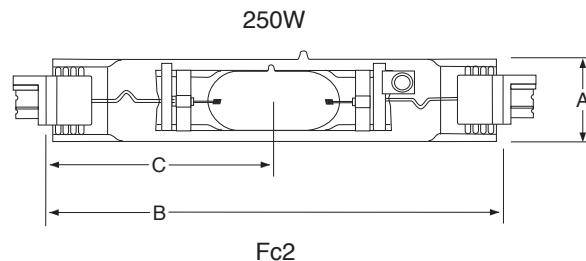
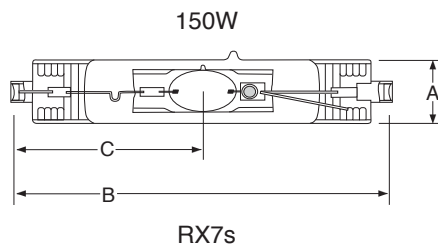
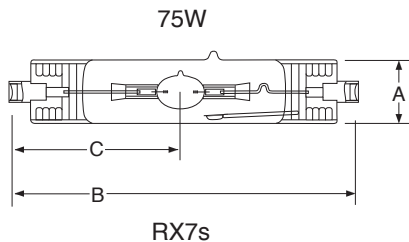
Watts	Ushio Ordering Code	Ushio Lamp Code	Lamp Volts	Lamp Current A	Dimensions				Color Temp K	Luminous Flux lm	Avg Life h	ANSI Ballast/ Fixture	Case Qty
					Dia (A)	C-to-C (B)	LCL (C)	Arc Gap					
Double Ended – RX7s Base mm													
75	5000194	UHI-70DW/UVP	95	0.9	0.79	4.50	2.24	8.5	3000	6000	10000	M85/E	10
75	5000190	UHI-70DL/UVP	95	0.9	0.79	4.50	2.24	8.5	3500	6000	10000	M85/E	10
75	5000192	UHI-70DM/UVP	95	0.9	0.79	4.50	2.24	8.5	4200	6000	10000	M85/E	10
150	5000184	UHI-150DW/UVP	95	1.8	0.90	5.20	2.60	18.0	3000	12000	10000	M81/E	10
150	5000180	UHI-150DL/UVP	95	1.8	0.90	5.20	2.60	18.0	3500	12000	10000	M81/E	10
150	5000182	UHI-150DM/UVP	95	1.8	0.90	5.20	2.60	18.0	4200	12000	10000	M81/E	10
150	5000178	UHI-150DD/UVP	95	1.8	0.90	5.20	2.60	18.0	5200	11000	10000	M81/E	10
Double Ended – Fc2 Base mm													
250	5000188	UHI-250DM/UVP	100	3.0	0.98	5.47	2.74	24.0	4200	20000	10000	M80/E	12

Burn Position: Horizontal ±45°
Recommended Ignition Voltage: 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

Lamp Code Suffix Designation:

- DW = Warm White
- DL = Brilliant White
- DM = Cool White
- DD = Daylight
- /UVP = UV-absorbing quartz glass



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EUROSPOT™ UHI SERIES

- Color Stable
- High Efficacy - 80 lm/W
- Long Life
- Compact Design
- 80 Color Rendering Index
- UV Protection

Please see Safety and Handling Instructions on page 89.



Watts	Ushio Ordering Code	Ushio Lamp Code	Lamp Volts	Lamp Current A	Dimensions				Color Temp K	Luminous Flux lm	Avg Life h	ANSI Ballast/Fixture	Case Qty
					Dia (A)	MOL (B)	LCL (C)	Arc Gap					
2-Pin Base – G12 Axial Arc													
75	5000439	UHI-S75DW/UVP	95	0.9	0.91	3.90	2.20	8.5	3000	6000	10000	M98/E	10
150	5000950	UHI-S150DW/A/UVP	95	1.8	0.91	3.90	2.20	6.5	3000	13000	10000	M102/E	10
150	5000875	UHI-S150DM/A/UVP	95	1.8	0.91	3.90	2.20	6.5	4200	13000	10000	M102/E	10

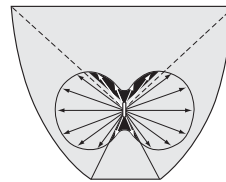
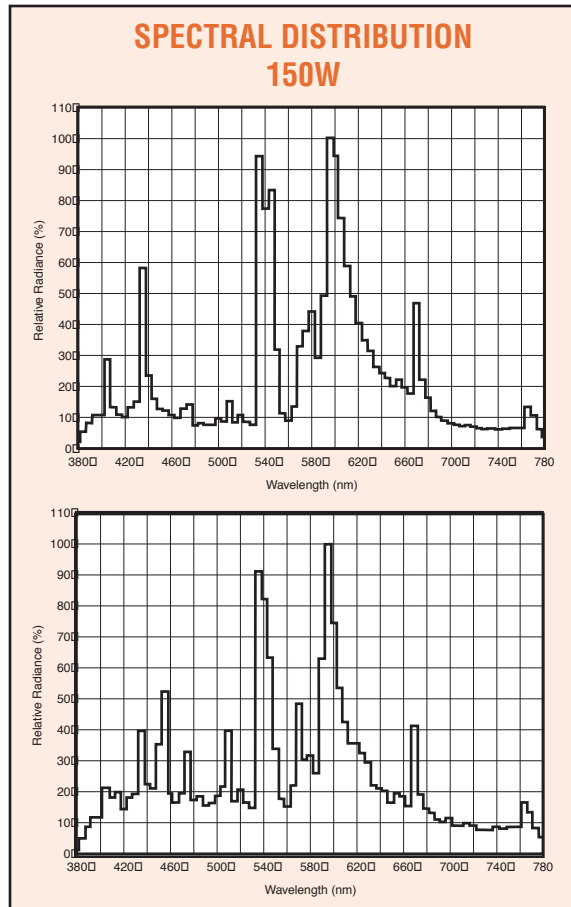
Burn Position: Universal 360°
Recommended Ignition Voltage: 4kV
 Lamp should be switched off for at least 15 minutes/week
 Use only in fixtures installed with safety glass

All dimensions shown in inches unless otherwise noted.
 /E = Enclosed Fixture Required

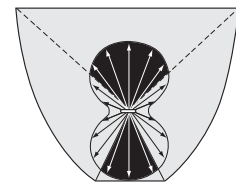
Lamp Code Suffix Designation

- DW = Warm White
- DM = Cool White

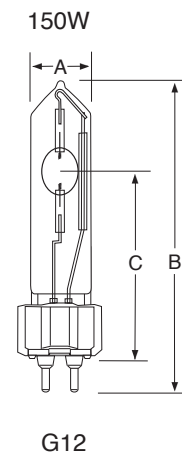
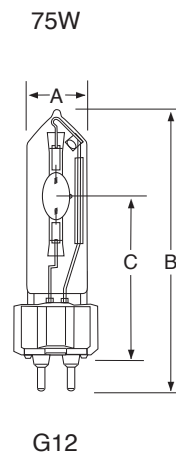
USHIO has incorporated an axial arc-tube which not only increases raw lumen output, but allows light to be more efficiently collected within a reflector



Axial, low stray light portion: approximately 30% higher luminous efficiency can be attained by axial arrangement



Transverse, high stray light portion; stray light leads to dazzle or loss



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CERAMIQUE™ SERIES

- High Color Rendering - 80 CRI
- Ceramic Arc Tube
- Consistent Color
- Long Life

Please see Safety and Handling Instructions on page 89.



Watts	Ushio Ordering Code	Ushio Lamp Code	Lamp Current A	Dimensions			Color Temp K	Luminous Flux lm	Avg Life h	ANSI Ballast/Fixture
				Dia (A)	MOL (B)	LCL (C)				
Single Ended – G12 Base										
39	5001320	CMS-39/T4.5/830/G12	0.50	0.57	3.54	2.2	3000	3400	9000	M130/E
70	5001321	CMS-70/T6/830/G12	0.98	0.75	3.94	2.2	3000	6200	12000	M85/E, M98/E, M139/E
70	5001322	CMS-70/T6/942/G12	0.98	0.75	3.94	2.2	4200	6000	12000	M85/E, M98/E, M139/E
150	5001323	CMS-150/T6/830/G12	1.85	0.75	4.33	2.2	3000	14000	12000	M81/E, M102/E, M142/E
150	5001324	CMS-150/T6/942/G12	1.85	0.75	4.33	2.2	4200	13000	12000	M81/E, M102/E, M142/E
				Double Ended – RX7s Base			C-to-C			
70	5001316	CMD-70/TD/830/RX7S	0.90	0.79	4.50	—	3000	6200	15000	M85/E, M98/E, M139/E
70	5001317	CMD-70/TD/942/RX7S	0.90	0.79	4.50	—	4200	7000	15000	M85/E, M98/E, M139/E
150	5001318	CMD-150/TD/830/RX7S	1.80	0.91	5.20	—	3000	14500	15000	M81/E, M102/E, M142/E
150	5001319	CMD-150/TD/942/RX7S	1.80	0.91	5.20	—	4200	12500	15000	M81/E, M102/E, M142/E

Burn Position:

G12 Base: Universal 360°

RX7s Base: Horizontal ±45°

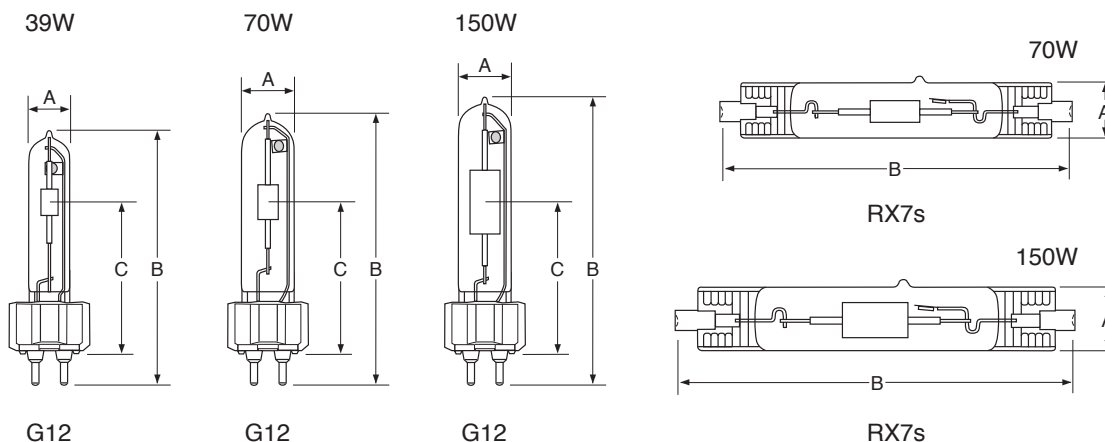
Recommended Ignition Voltage: 4kV

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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