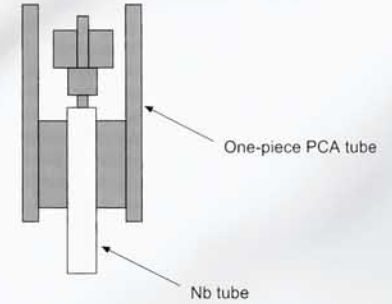


High Pressure Sodium

New Structure Arc Tube

Benefits

- Overcome Natrium leak, increase reliability.
- Accurate at PCA dimension for good lamp consistency.
- Well keep Voltage rate within 2V/KH for longer life.
- Equitable load regulation responds to good lumen maintenance.

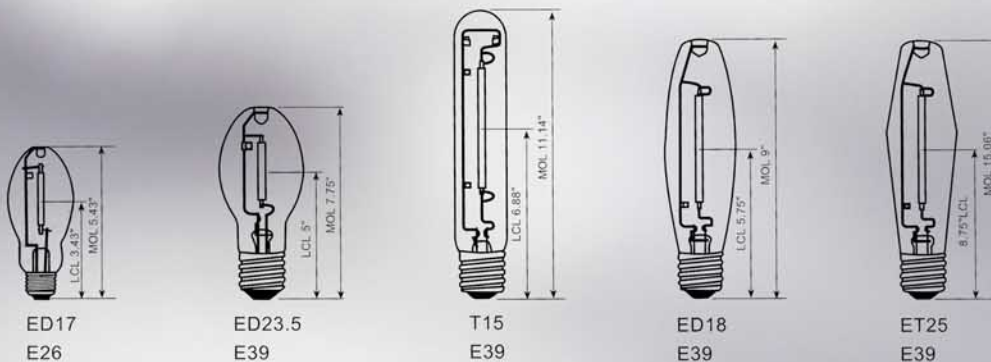


Type	Power	Lamp Voltage
50W	220V/110V	90V/52V
70W	220V/110V	90V/52V
100W	220V/110V	100V/55V
150W	220V/110V	100V/55V
250W	220V	100V
400W	220V	100V
600W	220V	105V

- Universal Burning Position.
- Medium Base-E26, Mogul Base-E39.

STANDARD

Items	Watts	Ansi	Lumens	Avg.Life		Color		Bulb/Base
				Hours	CRI	Temp(K)		
LU35/M	35	S76	2,250	16,000	21	2100		ED17/E26
LU50/M	50	S68	4,000	16,000	21	2100		ED17/E26
LU70/M	70	S62	6,300	18,000	21	2100		ED17/E26
LU100/M	100	S54	9,500	24,000	21	2100		ED17/E26
LU150/M	150	S55	18,000	24,000	21	2100		ED17/E26
LU150	150	S55	16,000	24,000	21	2100		ED23.5/E39
LU250	250	S50	28,000	26,000	21	2100		ED18/E39
LU400	400	S51	48,000	26,000	21	2100		ED18/E39
LU600	600	S106	90,000	24,000	25	2100		T15/E39
LU1000	1000	S52	140,000	24,000	22	2100		ET25/E39



High Pressure Sodium

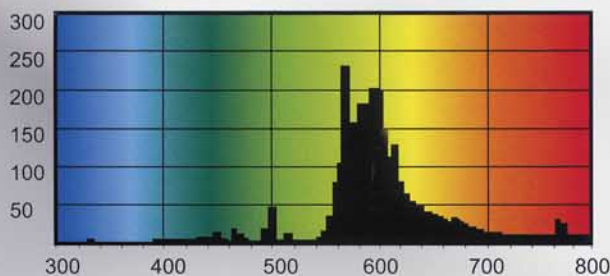
Inner Ignitor Lamps

Items	Watts	Lumens	Life	CRI	Bulb/Base
LU50/IG	50	4,000	12,000	21	T12/E39
LU70/IG	70	6,000	12,000	21	T12/E39
LU100/IG	100	9,500	12,000	21	T12/E39
LU150/IG	150	16,000	16,000	21	T15/E39
LU250/IG	250	28,000	16,000	21	T15/E39
LU400/IG	400	48,000	16,000	21	T15/E39

Improved CRI Lamps

Items	Watts	Lumens	Life	CRI	Bulb/Base
LU50/IC	50	2,500	9,000	65	T12/E39
LU70/IC	70	4,000	9,000	65	T12/E39
LU100/IC	100	7,000	9,000	65	T12/E39
LU150/IC	150	12,000	12,000	65	T15/E39
LU250/IC	250	21,500	12,000	65	T15/E39
LU400/IC	400	36,000	12,000	65	T15/E39

Spectral energy distribution



Metal Halide

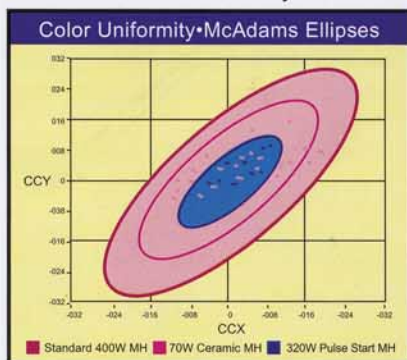
Uniform Pulse Strike

- Color Uniformity.
- Long life 15,000-20,000 Hours.
- Life Efficiency reaches 110LM/W.
- Time of Restart reduced to half.
- Filled with Kr 85.



Standard Metal Halide

- Better color uniformity



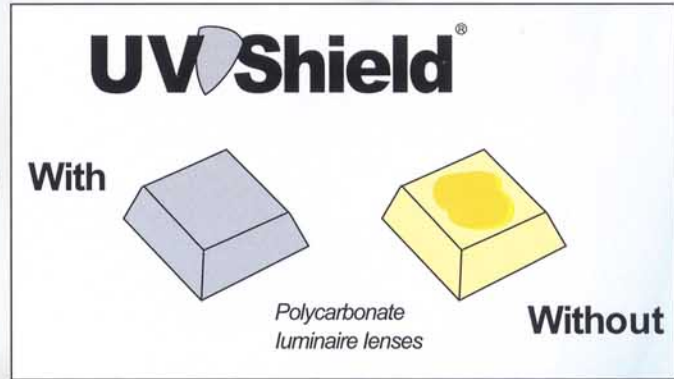
*Medium Base-E26, Mogul Base-E39

Items	Watts	Ansi Type	Init Lumens	Avg.Life Hours	Color Bulb/Base	Temp(K)	CRI	Finish	B/P	
MH50/U/M	50	M110/E	UPS	3,400	10,000	ED17/E26	4,000	65	Clear	U
MH50/C/U/M	50	M110/E	UPS	3,200	10,000	ED17/E26	3,700	70	Coated	U
MH70/U/M	70	M98/E	UPS	5,600	15,000	ED17/E26	4,000	65	Clear	U
MH70/C/U/M	70	M98/E	UPS	5,300	15,000	ED17/E26	3,700	70	Coated	U
MH100/U/M	100	M90/E	UPS	9,000	15,000	ED17/E26	4,000	65	Clear	U
MH100/C/U/M	100	M90/E	UPS	8,500	15,000	ED17/E26	3,700	70	Coated	U
MH150/U/M	150	M102/E	UPS	14,000	15,000	ED17/E26	4,000	65	Clear	U
MH150/C/U/M	150	M102/E	UPS	13,300	15,000	ED17/E26	3,700	70	Coated	U
MH175/U/M	175	M57/E	ST	14,000	15,000	ED17/E26	4,000	65	Clear	U
MH175/C/U/M	175	M57/E	ST	13,300	15,000	ED17/E26	3,700	70	Coated	U
HIE175/BU/M	175	M152/E	UPS	17,500	15,000	ED17/E26	4,000	65	Clear	BU
HIE175/C/BU/M	175	M152/E	UPS	16,600	15,000	ED17/E26	3,700	70	Coated	BU
MH175/U	175	M57/E	ST	14,000	15,000	ED28/E39	4,000	65	Clear	U
MH175/C/U	175	M57/E	ST	13,300	15,000	ED28/E39	3,700	70	Coated	U
HIE175/BU	175	M152/E	UPS	17,500	15,000	ED28/E39	4,000	65	Clear	BU
HIE175/C/BU	175	M152/E	UPS	16,600	15,000	ED28/E39	3,700	70	Coated	BU
HIE250/HBU	250	M135/E	UPS	25,000	15,000	ED28/E39	4,000	65	Clear	HBU
HIE250/C/HBU	250	M135/E	UPS	23,800	15,000	ED28/E39	3,700	70	Coated	HBU
HIE400/BU	400	M155/E	UPS	44,000	20,000	ED28/E39	4,000	65	Clear	BU
HIE400/C/BU	400	M155/E	UPS	42,000	20,000	ED28/E39	3,700	70	Coated	BU
HIE400/HBU	400	M155/E	UPS	44,000	20,000	ED37/E39	4,000	65	Clear	HBU
HIE400/C/HBU	400	M155/E	UPS	42,000	20,000	ED37/E39	3,700	70	Coated	HBU
MH250/U	250	M58/E	ST	21,000	10,000	ED28/E39	4,000	65	Clear	U
MH250/C/U	250	M58/E	ST	20,000	10,000	ED28/E39	3,700	70	Coated	U
MH400/U	400	M59/E	ST	36,000	20,000	ED28/E39	4,000	65	Clear	U
MH400/C/U	400	M59/E	ST	34,000	20,000	ED28/E39	3,700	70	Coated	U
MH1000/U	1000	M47/E	ST	110,000	12,000	BT56/E39	4,000	65	Clear	U
MH1000/C/U	1000	M47/E	ST	105,000	12,000	BT56/E39	3,700	70	Coated	U

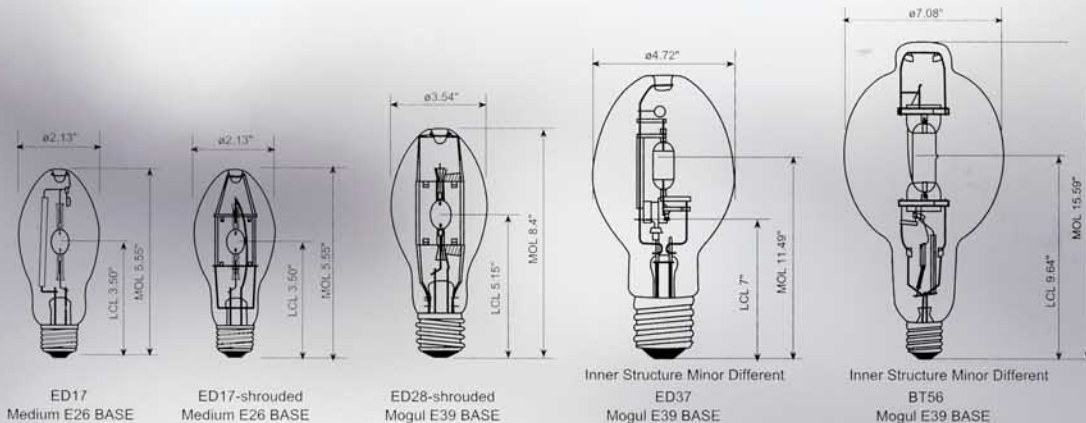
Metal Halide

Shrouded Arc Tube Protection.

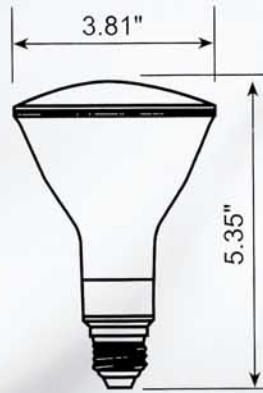
*Medium Base-E26, Mogul Base-E39



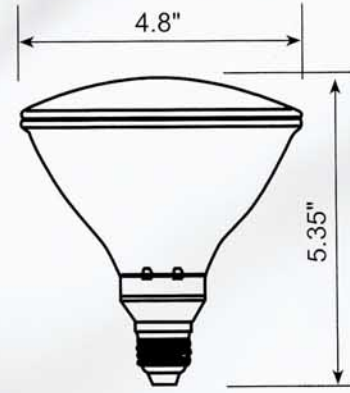
Items	Watts	Ansi	Type	Init Lumens	Avg.Life Hours	Color Bulb/Base	Temp(K)	CRI	Finish	B/P
MP50/U/UV/M	50	M110/0	UPS	3,200	10,000	ED17/E26	4,000	65	Clear	U
MP50/C/U/UV/M	50	M110/0	UPS	3,000	10,000	ED17/E26	3,700	70	Coated	U
MP70/U/UV/M	70	M98/0	UPS	5,300	15,000	ED17/E26	4,000	65	Clear	U
MP70/C/U/UV/M	70	M98/0	UPS	5,000	15,000	ED17/E26	3,700	70	Coated	U
MP100/U/UV/M	100	M90/0	UPS	8,500	15,000	ED17/E26	4,000	65	Clear	U
MP100/C/U/UV/M	100	M90/0	UPS	8,100	15,000	ED17/E26	3,700	70	Coated	U
MP150/U/UV/M	150	M102/0	UPS	13,300	15,000	ED17/E26	4,000	65	Clear	U
MP150/C/U/UV/M	150	M102/0	UPS	12,600	15,000	ED17/E26	3,700	70	Coated	U
MP175/BU	175	M57/0	ST	13,300	15,000	ED28/E39	4,000	65	Clear	BU
HIPE175/BU	175	M152/0	UPS	16,600	15,000	ED28/E39	4,000	65	Clear	BU
HIPE250/BU/UV	250	M135/0	UPS	23,800	15,000	ED28/E39	4,000	65	Clear	BU
HIPE250/C/BU/UV	250	M135/0	UPS	22,600	15,000	ED28/E39	3,700	70	Coated	BU
HIPE400/BU/UV	400	M155/0	UPS	42,000	20,000	ED28/E39	4,000	65	Clear	BU
HIPE400/C/BU/UV	400	M155/0	UPS	40,000	20,000	ED28/E39	3,700	70	Coated	BU
MP250/BU	250	M58	ST	20,000	10,000	ED28/E39	4,000	65	Clear	BU
MP250/C/BU	250	M58	ST	19,000	10,000	ED28/E39	3,700	70	Coated	BU
MP400/BU	400	M59	ST	34,000	20,000	ED27/E39	4,000	65	Clear	BU
MP400/C/BU	400	M59	ST	28,000	20,000	ED37/E39	4,000	70	Coated	BU



Par Metal Halide



PAR30



PAR38

Items	Watts	Ansi	Beam Angle	Init Lumens	Avg.Life Hours	CRI	CCT(K)	Bulb/Base
PR38MH70/U/3K/FL	70	M98	35	4200	8500	75	3200	PAR38/E26
PR38MH70/U/3K/SP	70	M98	20	4200	8500	75	3200	PAR38/E26
PR38MH70/U/4K/FL	70	M98	35	4200	8500	75	4000	PAR38/E26
PR38MH70/U/4K/SP	70	M98	20	4200	8500	75	4000	PAR38/E26
PR38MH70/U/4K/WFL	70	M98	65	4200	8500	75	4000	PAR38/E26
PR38MH100/U/3K/FL	100	M90	35	6200	8500	75	3200	PAR38/E26
PR38MH100/U/3K/SP	100	M90	20	6200	8500	75	3200	PAR38/E26
PR38MH100/U/3K/WFL	100	M90	65	6200	8500	75	3200	PAR38/E26
PR38MH100/U/4K/FL	100	M90	35	6200	8500	75	4000	PAR38/E26
PR38MH100/U/4K/SP	100	M90	20	6200	8500	75	4000	PAR38/E26
PR38MH100/U/4K/WFL	100	M90	65	6200	8500	75	4000	PAR38/E26
PR30MH70/U/3K/FL	70	M98	30	4200	8500	75	3200	PAR30/E26
PR30MH70/U/3K/SP	70	M98	12	4200	8500	75	3200	PAR30/E26
PR30MH70/U/3K/FL	70	M98	30	4200	8500	75	4000	PAR30/E26
PR30MH70/U/4K/SP	70	M98	12	4200	8500	75	4000	PAR30/E26