

High Pressure Sodium

INDUSTRIAL HPS & LPS LAMPS

High Pressure Sodium lamps are one of the most efficient HID sources available. These lamps are used for general outdoor lighting applications where high efficiency and long life are a priority and color rendering is not critical.

HIGH PRESSURE SODIUM LAMPS

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
35	LU35/MED	35W/HPS/MED	S76	CL	E17	MED	12	2250	5.5"	24000	1 YR
35	LU35/D/MED	35W/HPS/MED/C	S76	FR	E17	MED	12	2100	5.5"	24000	1 YR
50	LU50/MED	50W/HPS/MED	S68	CL	E17	MED	12	4000	5.5"	24000	1 YR
50	LU50/D/MED	50W/HPS/MED/C	S68	FR	E17	MED	12	3700	5.5"	24000	1 YR
50	LU50	50W/HPS	S68	CL	ED23	MOG	12	4000	7.3"	24000	1 YR
70	LU70/MED	70W/HPS/MED	S62	CL	E17	MED	12	6000	5.5"	24000	1 YR
70	LU70/D/MED	70W/HPS/MED/C	S62	FR	E17	MED	12	5800	5.5"	24000	1 YR
70	LU70	70W/HPS	S62	CL	ED23	MOG	12	6000	7.3"	24000	1 YR
70	LU70/D	70W/HPS/C	S62	FR	ED23	MOG	12	5800	7.3"	24000	1 YR
100	LU100/MED	100W/HPS/MED	S54	CL	E17	MED	12	9500	5.5"	24000	1 YR
100	LU100	100W/HPS	S54	CL	ED23	MOG	12	9500	7.3"	24000	1 YR
100	LU100/D	100W/HPS/C	S54	FR	ED23	MOG	12	8800	7.3"	24000	1 YR
150	LU150/MED	150W/HPS/MED	S55	CL	E17	MED	12	16000	5.5"	24000	1 YR
150	LU150/D/MED	150W/HPS/MED/C	S55	FR	E17	MED	12	15000	5.5"	24000	1 YR
150	LU150/55	150W/HPS	S55	CL	ED23	MOG	12	16000	7.3"	24000	1 YR
250	LU250	SEE WSI BRAND	S50	CL	ET18	MOG	12	28500	9.75"	24000	1 YR
250	LU250/D	250W/HPS/C	S50	FR	ET18	MOG	12	28500	9.75"	24000	1 YR
400	LU400	SEE WSI BRAND	S51	CL	ET18	MOG	12	50000	9.75"	24000	1 YR
400	LU400/D	400W/HPS/C	S51	FR	BT37	MOG	12	47000	11.5"	24000	1 YR
1000	LU1000	1000W/HPS	S52	CL	E25	MOG	12	140000	15"	24000	1 YR



LOW PRESSURE SODIUM LAMPS

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
18	SOX18	18W/LPS	L69	CL	T17	DCB	12	1800	8.5"	16000	1 YR
35	SOX35	35W/LPS	L70	CL	T17	DCB	12	4500	12.24"	16000	1 YR
55	SOX55	55W/LPS	L71	CL	T17	DCB	12	7300	16.73"	16000	1 YR

High Pressure Sodium

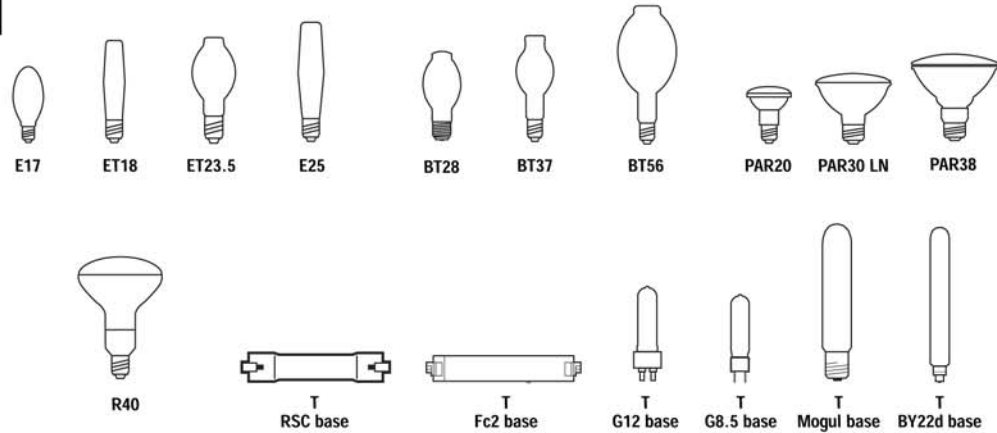
HPS LAMP CROSS REFERENCE



WSI	Philips	GE	Syl	ANSI
LU35/MED	C35S76M	LU35/MED	LU35/MED	S76HA-35
LU35/D/MED	C35S76/D/M	LU35/D/MED	LU35/D/MED	S76HB-35
LU50/MED	C50S68/M	LU50/MED	LU50/MED	S68LP-50
LU50/D/MED	C50S68/D/M	LU50/D/MED	LU50/D/MED	S68LR-50
LU50	C50S68	LU50	LU50	S68MS-50
LU70/MED	C70S62M	LU70/MED	LU70/MED	S62LG-70
LU70/D/MED	C70S62/D/M	LU70/D/MED	LU70/D/MED	S62LH-70
LU70	C70S62	LU70	LU70	S62ME-70
LU70/D	C70S62/D	LU70D	LU70D	S62MF-70
LU100/MED	C100S54/M	LU100/MED	LU100/MED	S54SG-100
LU100/D/MED	C100S54/D/M	LU100/D/MED	LU100/D/MED	S54SH-100
LU100	C100S54	LU100	LU100	S54SB-100
LU100/D/MED	C100S54/D	LU100/D	LU100/D	S54MC-100
LU150/MED	C150S55/M	LU150/MED	LU150/MED	S55RN-150
LU150/D/MED	C150S55/D/M	LU150/D/MED	LU150/D/MED	S55RP-150
LU150	C150S55	LU150	LU150	S55SC-150
LU150/D	C150S55/D	LU150/D	LU150/D	S55MD-150
LU150/100	C150S56	LU150/100	LU150/100	S56SD-150
LU150/100/D	C150S56/D	LU150/100/D	LU150/100/D	S56SE-150
LU200	C200S66	LU200	LU200	S66MN-200
LU250	C250S50	LU250	LU250	S56VA-250
LU250/D	C250S50/D/28	LU250/D	LU250/D	S50VC-250
LU310	C310S67	LU310	LU310	S67MR310
LU400	C400S51	LU400	LU400	S51WA-400
LU400/D	C400S51/D	LU400/D	LU400/D	S51WB-400
LU1000	C100S52	LU1000	LU1000	S52XB-1000

BULBS

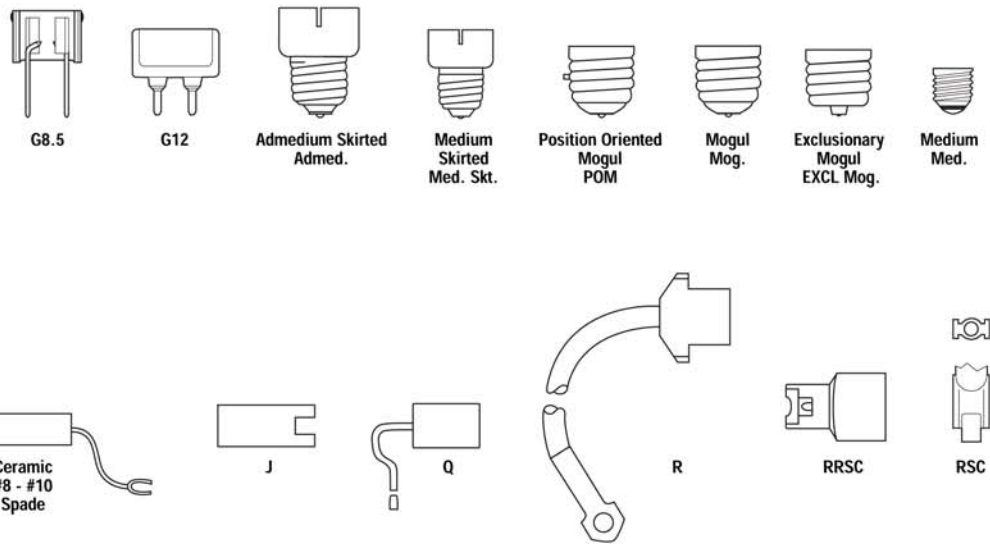
A bulb designation consists of a letter(s) to indicate the shape and a number(s) to indicate the approximate maximum diameter in eighths of an inch. Thus, an E17 lamp is an Ellipsoidal shape and 17/8 of an inch or 2 1/8 inches in diameter. Other letter designations include: BT=Bulbous Tubular; E or ED=Ellipsoidal; ET=Ellipsoidal Tubular; PAR=Parabolic; R=Reflector; T=Tubular.



BASES

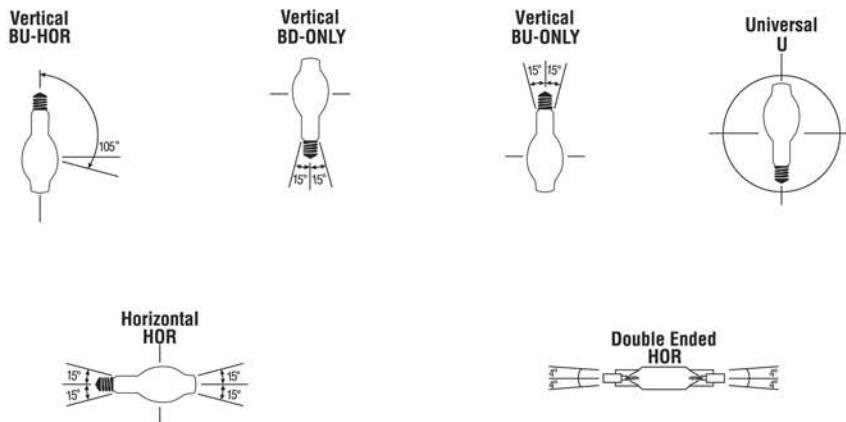
Lamps with screw bases have one lead-in wire soldered or welded to the center contact and the other soldered or welded to the upper rim of the base shell.

Bases with ceramic bodies have internal leads welded to either silver-plated contacts or external lead wires.



OPERATING POSITIONS

A designated operating positions assure maximum lamp performance. Where it is not specified, the lamp is suitable for operation in any position.



HID Reference

Notes:



Metal Halide

INDUSTRIAL METAL HALIDE LAMPS

Metal Halide lamps are designed for general lighting applications such as commercial, industrial, and retail environments where long life and color are important. There are many sizes and wattages for specific applications.

MEDIUM BASED UNIVERSAL BURNING METAL HALIDE

Clear - 4200 Kelvin & 65 CRI Coated - 3800 Kelvin & 70 CRI Enclosed fixtures only (fat neck)

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
50	M50/U/MED	MH/50W/U	M110	CL	ED17	MED	12	3300	5.5"	10000	1 YR
50	MF50/U/MED	MH/50W/U/C	M110	FR	ED17	MED	12	3200	5.5"	10000	1 YR
70	MH70/MED	MH/70W/U	M98	CL	ED17	MED	12	5600	5.5"	15000	1 YR
70	MF70/U/MED	MH/70W/U/C	M98	FR	ED17	MED	12	5300	5.5"	15000	1 YR
100	M100X/U/MED	MH/100W/U	M90	CL	ED17	MED	12	7800	5.5"	10000	1 YR
100	MF100/U/MED	MH/100W/U/C	M90	FR	ED17	MED	12	8500	5.5"	15000	1 YR
150	MH150/U	MH/150W/U	M102	CL	ED17	MED	12	14000	5.5"	15000	1 YR
150	MF150/U/MED	MH/150W/U/C	M102	FR	ED17	MED	12	14000	5.5"	15000	1 YR
175	M175/U/MED	MH/175W/U	M57	CL	ED17	MED	12	14000	5.5"	10000	1 YR
175	MF175/U/MED	175W/MH/U/C	M57	FR	ED17	MED	12	15000	5.5"	10000	1 YR



MEDIUM BASED UNIVERSAL BURNING METAL HALIDE

Clear - 3200 Kelvin & 65 CRI Coated - 3200 Kelvin & 70 CRI Open Fixtures (thin neck)

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
50	10226	MP50W/U/3K	M110	CL	EDX17	MED	12	3200	5.5"	10000	1 YR
50	10381	MP50W/U/C/3K	M110	FR	EDX17	MED	12	3000	5.5"	10000	1 YR
70	45424	MP70W/U/3K	M98	CL	EDX17	MED	12	5300	5.5"	15000	1 YR
70	14611	MP70W/U/C/3K	M98	FR	EDX17	MED	12	5000	5.5"	15000	1 YR
100	96770	MP100W/U/3K	M90	CL	EDX17	MED	12	8500	5.5"	15000	1 YR
100	11245	MP100W/U/C/3K	M90	FR	EDX17	MED	12	8100	5.5"	15000	1 YR
150	22522	MP150W/U/3K	M102	CL	EDX17	MED	12	13300	5.5"	15000	1 YR
150	80039	MP150W/U/C/3K	M102	FR	EDX17	MED	12	12600	5.5"	15000	1 YR

Metal Halide

MEDIUM BASED UNIVERSAL BURNING METAL HALIDE

Clear - 4000 Kelvin & 65 CRI Coated - 3700 Kelvin & 70 CRI Open Fixtures (thin neck)

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
50	32100	MP50W/U/4K	M110	CL	EDX17	MED	12	3200	5.5"	10000	1 YR
50	30041	MP50W/U/C/4K	M110	FR	EDX17	MED	12	3000	5.5"	10000	1 YR
70	40389	MP70W/U/4K	M98	CL	EDX17	MED	12	5300	5.5"	15000	1 YR
100	96267	MP100W/U/4K	M90	CL	EDX17	MED	12	8500	5.5"	15000	1 YR
100	11278	MP100W/U/C/4K	M90	FR	EDX17	MED	12	8100	5.5"	15000	1 YR
150	22455	MP150W/U/4K	M102	CL	EDX17	MED	12	13300	5.5"	15000	1 YR
150	22888	MP150W/U/C/4K	M102	FR	EDX17	MED	12	12600	5.5"	15000	1 YR

X-LINE AND 350W PULSE START METAL HALIDE

Metal Halide lamps are designed for general lighting applications, both indoor and outdoor, where high efficiency and good color are desired.

X-LINE UNIVERSAL BURNING METAL HALIDE

Clear - 4200 Kelvin & 65 CRI Coated - 3800 Kelvin & 70 CRI



Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
175	M175XU	SEE WSI BRAND	M57	CL	ED28	MOG	12	14000	8.5"	10000	1 YR
175	MF175X/U	175W/MH/U/C	M57	FR	BT28	MOG	12	14000	8.5"	10000	1 YR
250	M250X/U	SEE WSI BRAND	M58	CL	BT28	MOG	12	21000	8.5"	10000	1 YR
250	MF250X/U	250W/MH/U/C	M58	FR	BT28	MOG	12	21000	8.5"	10000	1 YR
400	M400X/U	SEE WSI BRAND	M59	CL	BT37	MOG	12	38000	11.5"	20000	1 YR
400	MF400X/U	400W/MH/U/C	M59	FR	BT37	MOG	12	38000	11.5"	20000	1 YR
1000	M1000X/U	1000W/MH/U	M47	CL	BT56	MOG	6	115000	15.5"	12000	1 YR
1500	M1500/BUH	1500W/MH/BUH	M48	CL	BT56	MOG	6	155000	15.5"	3000	6 MO

350W PULSE START METAL HALIDE

Clear - 4000 Kelvin & 60 CRI Coated - 4000 Kelvin & 65 CRI Open Fixtures (thin neck)

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
350	22149	350W/MH/V/PS	M131	CL	ED37	MOG	6	38000	11.5"	20000	1 YR
350	44097	350W/MH/C/V/PS	M131	FR	ED37	MOG	6	34200	11.5"	20000	1 YR

Metal Halide

350 W PULSE START METAL HALIDE

Clear - 4000 Kelvin & 60 CRI Coated - 4000 Kelvin & 65 CRI Enclosed Fixtures only (fat Neck)

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
350	MX350/U	350W/MH/U	M131	CL	ED37	MOG	6	28200	11.5"	20000	1 YR
350	MX350/C/U	350W/MH/U/C	M131	FR	ED37	MOG	6	26700	11.5"	20000	1 YR

SUPER - X BASE UP & HORIZONTAL BURNING METAL HALIDE

The Super-X line is designed to have increased lumen output over standard metal halide lamps.

SUPER - X (BASE UP) METAL HALIDE

Clear - 4000 Kelvin & 65 CRI Coated - 3600 Kelvin & 70 CRI

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
400	M400SX/BU	400W/MH/BU	M59	CL	BT37	MOG	12	42000	11.5"	20000	1 YR
400	MF400SX/BU	400W/MH/BU/C	M59	FR	BT37	MOG	12	42000	11.5"	20000	1 YR
1000	M1000SX/BU	1000W/MH/BU	M47	CL	BT56	MOG	6	125000	15.5"	12000	1 YR
1000	MF1000BSX/BU	1000W/MH/BU/C	M47	FR	BT56	MOG	6	125000	15.5"	12000	1 YR



SUPER - X (HORIZONTAL) METAL HALIDE

Clear - 4000 Kelvin & 65 CRI Coated - 3600 Kelvin & 70 CRI

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
400	M400SX/HOR	400W/MH/HOR	M59	CL	BT37	MOG	12	40000	11.5"	20000	1 YR

SUPER - X (UNIVERSAL METAL HALIDE)

Clear - 4000 Kelvin & 65 CRI Coated - 3600 Kelvin & 70 CRI **** REDUCED JACKET****

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
400	64488	M400/U/BT28	M59	CL	BT28	MOG	6	36000	8.5	20000	1 YR
1000	64469	M1000/U/BT37	M47	CL	BT37	MOG	6	110000	11.5	15000	1 YR



Metal Halide

WHITE LUX (RETROFIT FOR HPS) METAL HALIDE

Clear - 4000 Kelvin & 65 CRI



Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
250	MS250/BU/LU	250W/MH/U/LU	S50	CL	ED28	MOG	12	19000	8 5/16"	9000	1 YR
400	M400U/LU/E	400W/MH/U/LU/E28	M59	CL	ED28	MOG	12	36000	8 5/16"	9000	1 YR
400	MS400/BULU	400W/MH/BU/LU	S51	CL	ED37	MOG	12	38000	11.5"	9000	1 YR

METAL HALIDE CROSSOVER

WSI	PHILIPS	GE	SYLVANIA	ANSI
MF175X/U	MH175/C/U	MVR175C/U	M175/C/U M175BU/BD-ONLY MS175/3K/HOR MS175/3K/HOR	M57PE-175
M250X/U MF250X/U	MH250/U MH250/C/U MS250/HOR MS250/C/HOR	MVR250/U MVR250/C/U MVR/250/HOR MVR250/C/HOR	M250/U M250/C/U MS250/HOR MS250/C/HOR	
M400SX/BU M4F400SX/BU M400SX/HOR MF400SX/HOR M1000SX/BU MF1000BSX/BU	MS400/BU MS400/C/BU MS400/HOR MS400/C/HOR MS1000SX/BU MS1000/C/BU	MVR400/VBU MVR400/C/VBU MVR400/HOR MVR400/C/HOR MVR1000SX/BU MVR1000/C/VBU	MS400/BU MS400/C/BU MS400/HOR MS400/C/HOR M1000SX/BU MS1000/C/BU	M59PJ-400BU M59PK-400/BU M59PJ-400/HOR M59PK-400HOR M1000SX/BU
M400X/U MF400X/U M400SX/BU	MH400/U MH400/C/U	MVR400/U MVR400/C/U MVR400/VBU MVR400/VBD	M400/U MF400/C/U MS400/BU MS400/BD	M59 M59 M59
M1000X/U MF1000C/X/U M1000SX/BU	MH1000/U MH1000/C/U MS1000/BU MS1000/BD	MVR1000/U MVR1000/C/U MVR1000/VBU MVR1000/VBD	M1000/U M1000/C/U MS1000/BU MS1000/BD	M47 M47
M1500/BUH	MH1500BU MH1500BD	MVR1500/HBU/E MVR1500/HBD/E MXR50/U/MED/O MXR50/C/U/MED/O MXR70/U/MED/O MXR70/C/U/MED/O MXR100/U/MED/O MXR100/C/U/MED/O MXR150/U/MED/O MXR150/C/U/MED/O MVR175VBUMEDPA	M1500/BU/HOR M1500/BD MP50/U/MED MP50/C/U/MED MP70/U/MED MP70/C/U/MED MP100/U/MED MP100/C/U/MED MP150/U/MED MP150/C/U/MED MS175/C/PS/BU/MED	M48 M48 M98 M98 M90 M90 M102 M102 M57

Mercury Vapor

INDUSTRIAL MERCURY VAPOR LAMPS

UNIVERSAL BURNING MERCURY VAPOR

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
50	HF50-PD	50W/MV/MED/WH	H46	WH	E17	MED	24	1900	5.11"	8000	1 YR
75	HF75PD	75W/MV/MED/WH	H43	WH	E17	MED	24	3000	5.43"	16000	1 YR
100	HF100PD/MED	100W/MV/MED/WH	H38	WH	E17	MED	12	4500	5.74"	24000	1 YR
100	HF100PD	100W/MV/WH	H38	WH	ED24	MOG	12	4500	7.28"	24000	1 YR
175	H175	175W/MV/CL	H39	CL	BT28	MOG	12	7800	8.3"	24000	1 YR
175	HF175PD	175W/MV/WH	H39	WH	BT28	MOG	12	8900	8.30"	24000	1 YR
250	H250	250W/MV/CL	H37	CL	BT28	MOG	12	12000	8.7"	24000	1 YR
250	HF250PD	250W/MV/WH	H37	WH	BT28	MOG	12	13700	8.7"	24000	1 YR
400	H400	400W/MV/CL	H33	CL	BT37	MOG	12	21000	11.5"	24000	1 YR
400	HF400PD	400W/MV/WH	H33	WH	BT37	MOG	12	24000	11.5"	24000	1 YR
1000	HF1000B	1000W/MV/WH	H36	WH	BT56	MOG	6	64000	15.4"	24000	1 YR



REFLECTOR MERCURY VAPOR LAMPS

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
100	HR100W/R40	100W/MV/R40/MED	H38	FR	R40	MED	6	3100	7"	24000	1 YR
175	HR175W/MED	175W/MV/R40/MED	H39	FR	R40	MED	6	3700	7"	24000	1 YR

SELF BALLASTED MERCURY VAPOR LAMPS

Watts	Order Number	Description	ANSI	Bulb Finish	BULB Shape	Base	Case	Lumens	MOL	Hours	Warranty
100	100WSB/E21	100W/SBM/MED/WH		WH	E21	MED	24	1100	6.2"	12000	1 YR
160	160WSB/E24	160W/SBM/MED/WH		WH	E24	MED	24	2550	6.9"	12000	1 YR
160	160WSB/R40	160W/SBM/R40		FR	R40	MED	12	1680	8.3"	12000	1 YR
160	160WSB/RSP	160W/SBM/PAR38		CL	PAR38	MED	12	1520	6.2"	12000	1 YR
250	250SB/MED	250W/SBM/MED/WH		WH	E28	MED	12	5000	8.5"	12000	1 YR
250	250WSB/MOG	250W/SBM/WH		WH	E28	MOG	12	4280	8.5"	12000	1 YR
250	250WSB/MED/R40	250W/SBM/R40/MED		FR	R40	MED	12	3200	8.3"	12000	1 YR
300	300WSB/R40/MED	300W/SBM/R40/MED		FR	R40	MED	12	3800	8.3"	12000	1 YR
400	450WSB/BT37	450W/SBM/WH		WH	BT37	MOG	12	10000	11.5"	16000	1 YR
750	750WSB/BT46	750W/SBM/WH		WH	BT46	MOG	6	19000	14.6"	16000	1 YR
750	750WSB/R57	750W/SBM/R57		FR	R57	MOG	6	12600	12.5"	16000	1 YR

Mercury Vapor

MERCURY VAPOR CROSSOVER



WSI	PHILIPS	GE	OSRAM SYL	ANSI
HF50-PD	H46DL-50/DX	HR50DX-46	H46DL-50/DX	H4DL-50/DX
HF75-PD	H43AV-75/DX	HR75DX43	H43AV-75/DX	H43AV-75/DX
HF100-PD/MED	H38MP-100/DX	HR100DX38/MED	H38AV-100/DX	H38AV-100/DX
H100	H38HT-100	HR100A38	H38HT-100	H38HT-100
HF100-PD	H38JA-100/DX	HR100DX38	H38JA-100/DX	H38JA-100/DX
HR100W/R40	H38MB-100	HR100RFL38		H38BM-100
HRFF100/PD	H38BP-100/DX	HR100RDXFL38	H38BP-100DX	H38BP-100/DX
H175	H39KB-15	HR175A39	H39KB-175	H39KB-175
HF175-PD	H39KC-175/DX	HR175DX39	H39KC-175/DX	H39KC-175/DX
HR175W/MED	H39BM-175	HR175RFL39		H39BM-175
HRFF175-PD	H39BP-175/DX	HR175DXFL39	H39BP-175/DX	H39BP-175DX
H250	H37KB-250	HR250A37	H37KB-250	H37KB-250
HF250-PD	H37KC-250/DX	HR250DX37	H37KC-250/DX	H37KC-250/DX
H400	H33CD-400	HR400A33	H33CD-400	H33CD-400
HF400-PD	H33GL-400/DX	HR400DX33	H33GL-400/DX	H33GL-400/DX
H1000	H34GV			H34GV-1000
HF1000-PD	H34GW-1000/DX	HR1000DX34	H34GW-1000/DX	H34GW-1000/DX
H1000B	H36GV-1000	HR1000A36		H36GV-1000
HF1000B-PD	H36GW-1000/DX	HR1000/DX36	H36GW-1000/DX	H36GW-1000/DX