



DAMAR[®]

LIGHTING THE WORLD

HIGH INTENSITY DISCHARGE LAMPS

Safe-Shield[®]

- Shatter resistant safety coated bulbs.
- Protective coating designed to help protect against thermal shock.
- Available in a wide variety of shapes and wattages.

Metal Halide Protected

- Designed for operation in open fixture applications.
- Protective quartz shroud surrounds the arc tube.
- Available in EDX17, BT28, BT37, BT56, PAR38 shapes and 50-1000 watts.

Retrofit

- Retrofit bulbs are available for HPS to Metal Halide and Mercury Vapor to HPS conversion.
- HPS to Metal Halide retrofit provides a more pleasing light, conducive to a pleasant and safe work area.
- Mercury Vapor to HPS retrofit bulbs are a far more efficient light source.

Standby

- Dual arc tubes allow the bulb to restrike quickly after a loss of power and increases to 80% light output within 1-2 minutes.
- Extra arc tube provides a total of 40,000 average life hours.
- Ideal for roadway, industrial, security and hard to reach application.





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HIGH INTENSITY DISCHARGE LAMPS

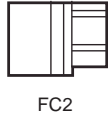
BASE IDENTIFICATION



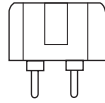
2-LUG SLEEVE
BY22D
SOX



RECESSED
SINGLE CONTACT
RX7s



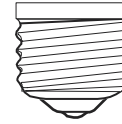
FC2



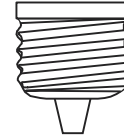
G12



E26, E27



E39



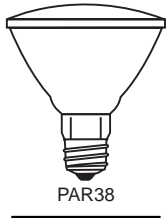
EX39



EP39

LAMP FINDER

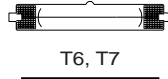
The lamp drawings listed here are not to scale. To determine the bulb diameter in inches, multiply the bulb number by one-eighth. For example R40 means approximately 40/8" or 5" in diameter.



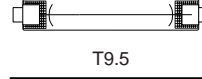
PAR38



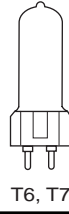
A23



T6, T7



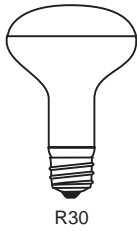
T9.5



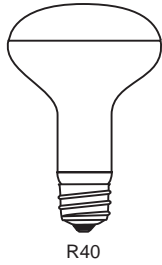
T6, T7



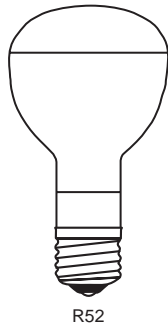
R20



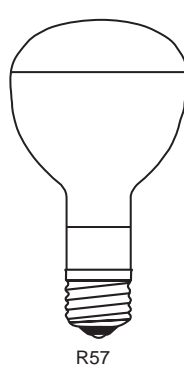
R30



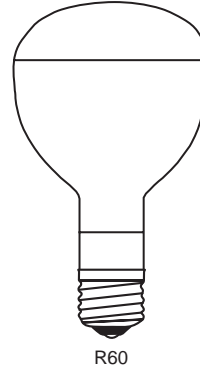
R40



R52



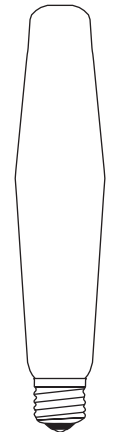
R57



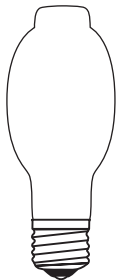
R60



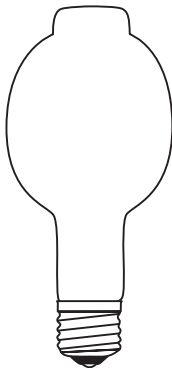
T15



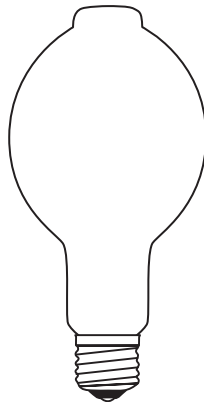
ET18, ET25



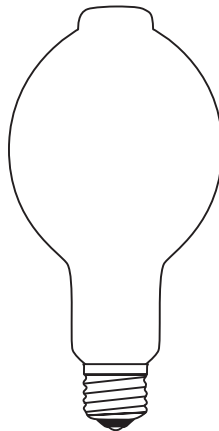
BT28



BT37



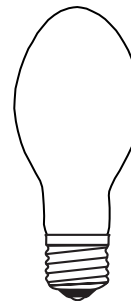
BT46



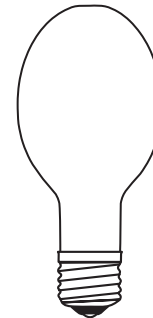
BT56



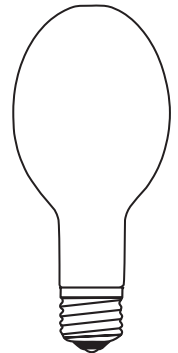
E17
ED17



ED23.5
E24



ED28



ED37



DAMAR[®]

LIGHTING THE WORLD

METAL HALIDE

Please Call (800) 601-9007 for Mercury Recycle Information

KEY TO HEADINGS

The reference material in these headings may help you in confirming mercury vapor lamp specifications and in ordering products. Lamps are grouped by product line, then into groups according to wattage, bulb shape and size, and base. The exception to this rule may occur with specialty items. For assistance, please contact your Damar representative.

Watt:

Energy expended. To estimate energy consumption (kw) multiply watts x hours of use and divide by 1000.

Avg Life Hours:

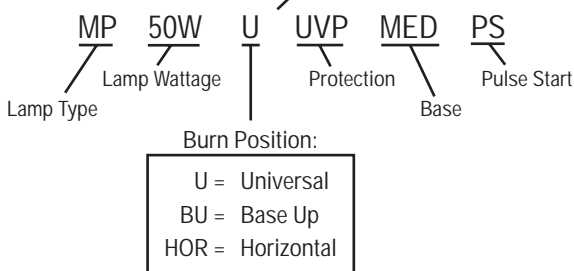
Rated average life in hours.

Master Carton Label:

Number of units per case.

Shape: Shape of bulb followed by size (the max. diameter of the bulb measured in eighths of an inch).	Item No: The Damar identification code.	Finish/Color: The physical appearance of the lamp.	Notes: Additional important information.
	Description: The Industry identification code.		
Base: The base type.			Avg Kelvin: Kelvin temperature is a simplified way to characterize the spectral properties of a light source.

Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE											
SAFE-SHIELD [®] COATED PROTECTED OPEN RATE											
50	EDX17	E26	25162A	MP50W/U/UVP/MED/PS/3K/SSFC	M110/O	Clear	9000	Pulse Start	3000	65	12
			25163A	MP50W/U/UVP/MED/PS/4K/SSFC	M110/O	Clear	9000	Pulse Start	4000	65	12



/O Open rated bulbs are designed to be operated in open fixtures.
/E Enclosed rated bulbs must be operated in enclosed fixtures only.

METAL HALIDE BRAND NAME CROSS-REFERENCE

DAMAR	GE*	OSRAM/SYLVANIA**	PHILIPS***
Metal-X-Vapor [®]	High Output Multi-Vapor	Super Metalarc	Metal Halide
Metal-X-Vapor [®]	Multi-Vapor	Metalarc	Metal Halide
Metal-X-Vapor [®] Protected	Protected High Output Multi-Vapor	Metalarc Pro-Tech	-
Metal-X-Vapor [®] Pulse Start	PulseArc	Super Metalarc Pulse Start	Pulse Start
Metal-X-Vapor [®] SSFC	Saf-T-Gard Multi-Vapor	Metalarc Safeline	Safety Lifeguard Metal Halide

ATTENTION: This brand-name cross-reference table is to be used only as a quick guide. Other company brand names may only represent a similar product versus an exact match to Damar brands. Refer to individual manufacturers' reference sources and product specifications

*Trademark or registered trademark of General Electric Company.

**Trademark or registered trademark of Osram Sylvania Inc.

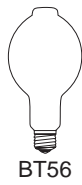
*** Trademark or registered trademark of Philips.



Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE											
PROTECTED OPEN RATED											
50	EDX17	E26	01835C	MP50W/U/UVPMED/PS/3K	M110/O	Clear	9000	Pulse Start	3000	65	12
			01835F	MP50W/U/UVPMED/PS/4K	M110/O	Clear	9000	Pulse Start	4000	65	12
			25157A	MP50W/U/UVPMED/PS/5K	M110/O	Clear	9000	Pulse Start	5000	75	12
			22062C	MP50W/C/U/UVPMED/PS/3K	M110/O	White	9000	Pulse Start	3000	70	12
			25147A	MP50W/C/U/UVPMED/PS/4K	M110/O	White	9000	Pulse Start	4000	70	12
			25158A	MP50W/C/U/UVPMED/PS/5K	M110/O	White	9000	Pulse Start	5000	80	12
70	EDX17	E26	20481B	MP70W/U/UVPMED/PS/3K	M98/O	Clear	9000	Pulse Start	3000	65	12
			20481F	MP70W/U/UVPMED/PS/4K	M98/O	Clear	9000	Pulse Start	4000	65	12
			05325A	MP70W/C/U/UVPMED/PS/3K	M98/O	White	9000	Pulse Start	3000	70	12
			20841C	MP70W/C/U/UVPMED/PS/4K	M98/O	White	9000	Pulse Start	4000	70	12
			25149A	MP70W/C/U/UVPMED/PS/5K	M98/O	White	9000	Pulse Start	5000	80	12
	BT28	EX39	25189A	MP70W/U/UVPMED/PS/3K	M98/O	Clear	9000	Pulse Start	3000	65	12
			25190A	MP70W/U/UVPMED/PS/4K	M98/O	Clear	9000	Pulse Start	4000	65	12
			25192A	MP70W/C/U/UVPMED/PS/3K	M98/O	White	9000	Pulse Start	3000	70	12
	PAR38	E26	20328G	MP70PAR38/U/SP/3K	M98/O	Clear	8500	Pulse Start, Spot 20°	3000	65	6
			20328H	MP70PAR38/U/FL/3K	M98/O	Clear	8500	Pulse Start, Flood 35°	3000	65	6
			20328I	MP70PAR38/U/VWFL/3K	M98/O	Clear	8500	Pulse Start, Wide Flood 65°	3000	65	6
100	EDX17	E26	05250I	MP100W/U/UVPMED/PS/3K	M90/O	Clear	9000	Pulse Start	3000	65	12
			05250H	MP100W/U/UVPMED/PS/4K	M90/O	Clear	9000	Pulse Start	4000	65	12
			25220A	MP100W/C/U/UVPMED/PS/3K	M90/O	White	9000	Pulse Start	3000	70	12
			07450H	MP100W/C/U/UVPMED/PS/4K	M90/O	White	9000	Pulse Start	4000	70	12
			25221A	MP100W/C/U/UVPMED/PS/5K	M90/O	White	9000	Pulse Start	5000	80	12
	BT28	EX39	25223A	MP100W/U/UVPMED/PS/4K	M90/O	Clear	9000	Pulse Start	4000	65	12
			25226A	MP100W/C/U/UVPMED/PS/4K	M90/O	White	9000	Pulse Start	4000	70	12
	PAR38	E26	06735D	MP100PAR38/U/SP/3K	M90/O	Clear	8500	Pulse Start, Spot 20°	3000	65	6
			06735E	MP100PAR38/U/FL/3K	M90/O	Clear	8500	Pulse Start, Flood 35°	3000	65	6
			06735F	MP100PAR38/U/VWFL/3K	M90/O	Clear	8500	Pulse Start, Wide Flood 65°	3000	65	6
150	EDX17	E26	05458B	MP150W/U/UVPMED/PS/3K	M102/O	Clear	9000	Pulse Start	3000	65	12
			05458C	MP150W/U/UVPMED/PS/4K	M102/O	Clear	9000	Pulse Start	4000	65	12
			25565A	MP150W/U/UVPMED/PS/5K	M102/O	Clear	9000	Pulse Start	5000	75	12
			22761A	MP150W/C/U/UVPMED/PS/3K	M102/O	White	9000	Pulse Start	3000	70	12
			22892B	MP150W/C/U/UVPMED/PS/4K	M102/O	White	9000	Pulse Start	4000	70	12
			25566A	MP150W/C/U/UVPMED/PS/5K	M102/O	White	9000	Pulse Start	5000	80	12
	BT28	EX39	25571A	MP150W/U/UVPMED/PS/4K	M102/O	Clear	9000	Pulse Start	4000	65	12
			25568A	MP150W/C/U/UVPMED/PS/4K	M102/O	White	9000	Pulse Start	4000	70	12
	PAR38	E26	22173D	MP150PAR38/U/SP/3K	M102/O	Clear	8500	Spot 20°	3000	65	6
			22173E	MP150PAR38/U/FL/3K	M102/O	Clear	8500	Flood 35°	3000	65	6
			22173F	MP150PAR38/U/VWFL/3K	M102/O	Clear	8500	Very Wide Flood 65°	3000	65	6
175	EDX17	E26	25573A	MP175W/BU/UVPMED/3K	M57/O	Clear	9000		3000	65	12
			25456A	MP175W/BU/UVPMED/4K	M57/O	Clear	9000		4000	65	12
			25574A	MP175W/BU/UVPMED/5K	M57/O	Clear	9000		5000	75	12
			26592A	MP175W/BU/UVPMED/PS/3K	M137/M152/O	Clear	9000	Pulse Start	3000	70	12
			26544A	MP175W/BU/UVPMED/PS/4K	M137/M152/O	Clear	9000	Pulse Start	4000	70	12
			25575A	MP175W/C/BU/UVPMED/3K	M57/O	White	9000		3000	70	12



Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE (Cont'd)											
PROTECTED OPEN RATED (Cont'd)											
175	EDX17	E26	25455A	MP175W/C/BU/UVP/MED/4K	M57/O	White	9000		4000	70	12
			25576A	MP175W/C/BU/UVP/MED/5K	M57/O	White	9000		5000	80	12
			26593A	MP175W/C/BU/UVP/MED/PS/3K	M137/M152/O	White	9000	Pulse Start	3000	70	12
			26545A	MP175W/C/BU/UVP/MED/PS/4K	M137/M152/O	White	9000	Pulse Start	4000	70	12
	BT28	EX39	25336A	MP175W/BU/UVP/3K	M57/O	Clear	14000		3000	65	12
			25337A	MP175W/BU/UVP/4K	M57/O	Clear	14000		4000	65	12
			25338A	MP175W/BU/UVP/5K	M57/O	Clear	14000		5000	75	12
			26594A	MP175W/BU/UVP/PS/3K	M137/M152/O	Clear	14000	Pulse Start	3000	65	12
			26546A	MP175W/BU/UVP/PS/4K	M137/M152/O	Clear	14000	Pulse Start	4000	65	12
			25339A	MP175W/C/BU/UVP/3K	M57/O	White	14000		3000	70	12
			25340A	MP175W/C/BU/UVP/4K	M57/O	White	14000		4000	70	12
			25341A	MP175W/C/BU/UVP/5K	M57/O	White	14000		5000	80	12
			26595A	MP175W/C/BU/UVP/PS/3K	M137/M152/O	White	14000	Pulse Start	3000	70	12
			26547A	MP175W/C/BU/UVP/PS/4K	M137/M152/O	White	14000	Pulse Start	4000	70	12
200	BT28	EX39	26554A	MP200W/BU/UVP/PS/4K	M136/O	Clear	14000	Pulse Start	4000	65	12
250	BT28	EX39	25322A	MP250W/BU/UVP/3K	M58/O	Clear	14000		3000	65	12
			25323A	MP250W/BU/UVP/4K	M58/O	Clear	14000		4000	65	12
			25326A	MP250W/C/BU/UVP/4K	M58/O	White	15000		4000	70	12
			26559A	MP250W/C/BU/UVP/PS/4K	M138/M153/O	White	14000	Pulse Start	4000	70	12
300	BT28	EX39	26612A	MP300W/BU/UVP/BT28/PS/3K	M151/O	Clear	17000	Pulse Start	3000	65	12
			26834A	MP300W/BU/UVP/BT28/PS/4K	M151/O	Clear	17000	Pulse Start	4000	65	12
			26613A	MP300W/C/BU/UVP/BT28/PS/3K	M151/O	White	17000	Pulse Start	3000	70	12
			26835A	MP300W/C/BU/UVP/BT28/PS/4K	M151/O	White	17000	Pulse Start	4000	70	12
	BT37	EX39	26614A	MP300W/BU/UVP/BT37/PS/3K	M151/O	Clear	17000	Pulse Start	3000	65	6
			26836A	MP300W/BU/UVP/BT37/PS/4K	M151/O	Clear	17000	Pulse Start	4000	65	6
			26615A	MP300W/C/BU/UVP/BT37/PS/3K	M151/O	White	17000	Pulse Start	3000	70	6
			26837A	MP300W/C/BU/UVP/BT37/PS/4K	M151/O	White	17000	Pulse Start	4000	70	6
320	BT28	EX39	26623A	MP320W/BU/UVP/BT28/PS/3K	M132/M154/O	Clear	17000	Pulse Start	3000	65	12
			26568A	MP320W/BU/UVP/BT28/PS/4K	M132/M154/O	Clear	17000	Pulse Start	4000	65	12
			26624A	MP320W/C/BU/UVP/BT28/PS/3K	M132/M154/O	White	17000	Pulse Start	3000	70	12
			26569A	MP320W/C/BU/UVP/BT28/PS/4K	M132/M154/O	White	17000	Pulse Start	4000	70	12
	BT37	EX39	26625A	MP320W/BU/UVP/BT37/PS/3K	M132/M154/O	Clear	17000	Pulse Start	3000	65	6
			26570A	MP320W/BU/UVP/BT37/PS/4K	M132/M154/O	Clear	17000	Pulse Start	4000	65	6
			26642A	MP320W/C/BU/UVP/BT37/PS/3K	M132/M154/O	White	17000	Pulse Start	3000	70	6
			26571A	MP320W/C/BU/UVP/BT37/PS/4K	M132/M154/O	White	17000	Pulse Start	4000	70	6
350	BT28	EX39	26630A	MP350W/BU/UVP/BT28/PS/3K	M131/M135/O	Clear	17000	Pulse Start	3000	65	12
			26576A	MP350W/BU/UVP/BT28/PS/4K	M131/M135/O	Clear	17000	Pulse Start	4000	65	12
			26631A	MP350W/C/BU/UVP/BT28/PS/3K	M131/M135/O	White	17000	Pulse Start	3000	70	12
			26577A	MP350W/C/BU/UVP/BT28/PS/4K	M131/M135/O	White	17000	Pulse Start	4000	70	12
	BT37	EX39	26632A	MP350W/BU/UVP/BT37/PS/3K	M131/M135/O	Clear	17000	Pulse Start	3000	65	6
			26578A	MP350W/BU/UVP/BT37/PS/4K	M131/M135/O	Clear	17000	Pulse Start	4000	65	6
			26633A	MP350W/C/BU/UVP/BT37/PS/3K	M131/M135/O	White	17000	Pulse Start	3000	70	6
			26579A	MP350W/C/BU/UVP/BT37/PS/4K	M131/M135/O	White	17000	Pulse Start	4000	70	6
400	BT28	EX39	26638A	MP400W/BU/UVP/BT28/PS/3K	M135/M155/O	Clear	17000	Pulse Start	3000	65	12



Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE (Cont'd)											
PROTECTED OPEN RATED (Cont'd)											
400	BT28	EX39	25352A	MP400W/BU/UVP/BT28/4K	M59/O	Clear	17000		4000	65	12
			25353A	MP400W/BU/UVP/BT28/5K	M59/O	Clear	17000		5000	75	12
			25354A	MP400W/C/BU/UVP/BT28/3K	M59/O	White	17000		3000	70	12
			25355A	MP400W/C/BU/UVP/BT28/4K	M59/O	White	17000		4000	70	12
			26584A	MP400W/BU/UVP/BT28/PS/4K	M135/M155/O	Clear	17000	Pulse Start	4000	65	12
			26639A	MP400W/C/BU/UVP/BT28/PS/3K	M135/M155/O	White	17000	Pulse Start	3000	70	12
			26585A	MP400W/C/BU/UVP/BT28/PS/4K	M135/M155/O	White	17000	Pulse Start	4000	70	12
	BT37	EX39	25310A	MP400W/BU/UVP/3K	M59/O	Clear	17000		3000	65	6
			25311A	MP400W/BU/UVP/4K	M59/O	Clear	17000		4000	65	6
			25312A	MP400W/BU/UVP/5K	M59/O	Clear	17000		5000	75	6
			25313A	MP400W/C/BU/UVP/3K	M59/O	White	17000		3000	70	6
			25314A	MP400W/C/BU/UVP/4K	M59/O	White	17000		4000	70	6
			25315A	MP400W/C/BU/UVP/5K	M59/O	White	17000		5000	80	6
			26640A	MP400W/BU/UVP/BT37/PS/3K	M135/M155/O	Clear	17000	Pulse Start	3000	65	6
			26586A	MP400W/BU/UVP/BT37/PS/4K	M135/M155/O	Clear	17000	Pulse Start	4000	65	6
			26641A	MP400W/C/BU/UVP/BT37/PS/3K	M135/M155/O	White	17000	Pulse Start	3000	70	6
			26587A	MP400W/C/BU/UVP/BT37/PS/4K	M135/M155/O	White	17000	Pulse Start	4000	70	6
1000	BT56	EX39	01060F	MP1000W/BU/4K	M47/O	Clear	12000		4000	65	6
			22910B	MP1000W/C/BU/3K	M47/O	White	12000		3000	70	6
SAFE-SHIELD® COATED PROTECTED OPEN RATED											
50	EDX17	E26	25162A	MP50W/U/UVP/MED/PS/3K/SSFC	M110/O	Clear	9000	Pulse Start, Safe-Shield® Coated	3000	65	12
			25163A	MP50W/U/UVP/MED/PS/4K/SSFC	M110/O	Clear	9000	Pulse Start, Safe-Shield® Coated	4000	65	12
			25164A	MP50W/U/UVP/MED/PS/5K/SSFC	M110/O	Clear	9000	Pulse Start, Safe-Shield® Coated	5000	75	12
			25159A	MP50W/C/U/UVP/MED/PS/3K/SSFC	M110/O	White	9000	Pulse Start, Safe-Shield® Coated	3000	70	12
			25160A	MP50W/C/U/UVP/MED/PS/4K/SSFC	M110/O	White	9000	Pulse Start, Safe-Shield® Coated	4000	70	12
			25161A	MP50W/C/U/UVP/MED/PS/5K/SSFC	M110/O	White	9000	Pulse Start, Safe-Shield® Coated	5000	80	12
70	EDX17	E26	25183A	MP70W/U/UVP/MED/PS/3K/SSFC	M98/O	Clear	9000	Pulse Start, Safe-Shield® Coated	3000	65	12
			25184A	MP70W/U/UVP/MED/PS/4K/SSFC	M98/O	Clear	9000	Pulse Start, Safe-Shield® Coated	4000	65	12
			25185A	MP70W/U/UVP/MED/PS/5K/SSFC	M98/O	Clear	9000	Pulse Start, Safe-Shield® Coated	5000	75	12
			25186A	MP70W/C/U/UVP/MED/PS/3K/SSFC	M98/O	White	9000	Pulse Start, Safe-Shield® Coated	3000	70	12
			25187A	MP70W/C/U/UVP/MED/PS/4K/SSFC	M98/O	White	9000	Pulse Start, Safe-Shield® Coated	4000	70	12
			25188A	MP70W/C/U/UVP/MED/PS/5K/SSFC	M98/O	White	9000	Pulse Start, Safe-Shield® Coated	5000	80	12
	BT28	EX39	25195A	MP70W/U/UVP/BT28/PS/3K/SSFC	M98/O	Clear	9000	Pulse Start, Safe-Shield® Coated	3000	65	12
			25196A	MP70W/U/UVP/BT28/PS/4K/SSFC	M98/O	Clear	9000	Pulse Start, Safe-Shield® Coated	4000	65	12
			25197A	MP70W/U/UVP/BT28/PS/5K/SSFC	M98/O	Clear	9000	Pulse Start, Safe-Shield® Coated	5000	75	12
			25198A	MP70W/C/U/UVP/BT28/PS/3K/SSFC	M98/O	White	9000	Pulse Start, Safe-Shield® Coated	3000	70	12
			25199A	MP70W/C/U/UVP/BT28/PS/4K/SSFC	M98/O	White	9000	Pulse Start, Safe-Shield® Coated	4000	70	12
			25200A	MP70W/C/U/UVP/BT28/PS/5K/SSFC	M98/O	White	9000	Pulse Start, Safe-Shield® Coated	5000	80	12
100	EDX17	E26	25641A	MP100W/U/UVP/MED/PS/3K/SSFC	M90/O	Clear	9000	Pulse Start, Safe-Shield® Coated	3000	65	12
			25643A	MP100W/U/UVP/MED/PS/4K/SSFC	M90/O	Clear	9000	Pulse Start, Safe-Shield® Coated	4000	65	12
			25645A	MP100W/U/UVP/MED/PS/5K/SSFC	M90/O	Clear	9000	Pulse Start, Safe-Shield® Coated	5000	75	12
			25642A	MP100W/C/U/UVP/MED/PS/3K/SSFC	M90/O	White	9000	Pulse Start, Safe-Shield® Coated	3000	70	12
			25644A	MP100W/C/U/UVP/MED/PS/4K/SSFC	M90/O	White	9000	Pulse Start, Safe-Shield® Coated	4000	70	12
			25646A	MP100W/C/U/UVP/MED/PS/5K/SSFC	M90/O	White	9000	Pulse Start, Safe-Shield® Coated	5000	80	12



BT28

EDX17

BT37

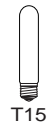
BT56

ED17

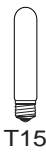
Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE (Cont'd)											
SAFE-SHIELD® COATED PROTECTED OPEN RATED (Cont'd)											
100	BT28	EX39	25228A	MP100W/U/UV/P/BT28/PS/3K/SSFC	M90/O	Clear	9000	Pulse Start, Safe-Shield® Coated	3000	65	12
			25229A	MP100W/U/UV/P/BT28/PS/4K/SSFC	M90/O	Clear	9000	Pulse Start, Safe-Shield® Coated	4000	65	12
			25230A	MP100W/U/UV/P/BT28/PS/5K/SSFC	M90/O	Clear	9000	Pulse Start, Safe-Shield® Coated	5000	75	12
			25231A	MP100W/C/U/UV/P/BT28/PS/3K/SSFC	M90/O	White	9000	Pulse Start, Safe-Shield® Coated	3000	70	12
			25232A	MP100W/C/U/UV/P/BT28/PS/4K/SSFC	M90/O	White	9000	Pulse Start, Safe-Shield® Coated	4000	70	12
			25233A	MP100W/C/U/UV/P/BT28/PS/5K/SSFC	M90/O	White	9000	Pulse Start, Safe-Shield® Coated	5000	80	12
150	EDX17	E26	25647A	MP150W/U/UV/P/MED/PS/3K/SSFC	M102/O	Clear	9000	Pulse Start, Safe-Shield® Coated	3000	65	12
			25651A	MP150W/U/UV/P/MED/PS/4K/SSFC	M102/O	Clear	9000	Pulse Start, Safe-Shield® Coated	4000	65	12
			25654A	MP150W/U/UV/P/MED/PS/5K/SSFC	M102/O	Clear	9000	Pulse Start, Safe-Shield® Coated	5000	75	12
			25648A	MP150W/C/U/UV/P/MED/PS/3K/SSFC	M102/O	White	9000	Pulse Start, Safe-Shield® Coated	3000	70	12
			25652A	MP150W/C/U/UV/P/MED/PS/4K/SSFC	M102/O	White	9000	Pulse Start, Safe-Shield® Coated	4000	70	12
			25655A	MP150W/C/U/UV/P/MED/PS/5K/SSFC	M102/O	White	9000	Pulse Start, Safe-Shield® Coated	5000	80	12
	BT28	EX39	25649A	MP150W/U/UV/P/BT28/PS/3K/SSFC	M102/O	Clear	9000	Pulse Start, Safe-Shield® Coated	3000	65	12
			23406B	MP150W/U/UV/P/BT28/PS/4K/SSFC	M102/O	Clear	9000	Pulse Start, Safe-Shield® Coated	4000	65	12
			25656A	MP150W/U/UV/P/BT28/PS/5K/SSFC	M102/O	Clear	9000	Pulse Start, Safe-Shield® Coated	5000	75	12
			25650A	MP150W/C/U/UV/P/BT28/PS/3K/SSFC	M102/O	White	9000	Pulse Start, Safe-Shield® Coated	3000	70	12
			25653A	MP150W/C/U/UV/P/BT28/PS/4K/SSFC	M102/O	White	9000	Pulse Start, Safe-Shield® Coated	4000	70	12
			25657A	MP150W/C/U/UV/P/BT28/PS/5K/SSFC	M102/O	White	9000	Pulse Start, Safe-Shield® Coated	5000	80	12
175	EDX17	E26	25456B	MP175W/BU/UV/P/MED/4K/SSFC	M57/O	Clear	9000	Safe-Shield® Coated	4000	65	12
	BT28	EX39	25342A	MP175W/BU/UV/P/3K/SSFC	M57/O	Clear	14000	Safe-Shield® Coated	3000	65	12
			25343A	MP175W/BU/UV/P/4K/SSFC	M57/O	Clear	14000	Safe-Shield® Coated	4000	65	12
			25344A	MP175W/BU/UV/P/5K/SSFC	M57/O	Clear	14000	Safe-Shield® Coated	5000	75	12
			25345A	MP175W/C/BU/UV/P/3K/SSFC	M57/O	White	14000	Safe-Shield® Coated	3000	70	12
			25346A	MP175W/C/BU/UV/P/4K/SSFC	M57/O	White	14000	Safe-Shield® Coated	4000	70	12
			25347A	MP175W/C/BU/UV/P/5K/SSFC	M57/O	White	14000	Safe-Shield® Coated	5000	80	12
250	BT28	EX39	25328A	MP250W/BU/UV/P/3K/SSFC	M58/O	Clear	14000	Safe-Shield® Coated	3000	65	12
			25329A	MP250W/BU/UV/P/4K/SSFC	M58/O	Clear	14000	Safe-Shield® Coated	4000	65	12
			25330A	MP250W/BU/UV/P/5K/SSFC	M58/O	Clear	14000	Safe-Shield® Coated	5000	75	12
			25332A	MP250W/C/BU/UV/P/4K/SSFC	M58/O	White	15000	Safe-Shield® Coated	4000	70	12
320	BT37	EX39	26570B	MP320W/BU/UV/P/BT37/PS/4K/SSFC	M132/M154/O	Clear	17000	Pulse Start, Safe-Shield® Coated	4000	70	6
350	BT37	EX39	26632B	MP350W/BU/UV/P/BT37/PS/3K/SSFC	M131/M135/O	Clear	17000	Pulse Start, Safe-Shield® Coated	3000	70	6
			23903B	MP350W/BU/UV/P/BT37/PS/4K/SSFC	M131/M135/O	Clear	17000	Pulse Start, Safe-Shield® Coated	4000	70	6
400	BT37	EX39	25316A	MP400W/BU/UV/P/3K/SSFC	M59/O	Clear	17000	Safe-Shield® Coated	3000	65	6
			25317A	MP400W/BU/UV/P/4K/SSFC	M59/O	Clear	17000	Safe-Shield® Coated	4000	65	6
			26586B	MP400W/BU/UV/P/BT37/PS/4K/SSFC	M135/M155/O	Clear	17000	Pulse Start, Safe-Shield® Coated	4000	70	6
			25318A	MP400W/BU/UV/P/5K/SSFC	M59/O	Clear	17000	Safe-Shield® Coated	5000	75	6
			25319A	MP400W/C/BU/UV/P/3K/SSFC	M59/O	White	17000	Safe-Shield® Coated	3000	70	6
			25320A	MP400W/C/BU/UV/P/4K/SSFC	M59/O	White	17000	Safe-Shield® Coated	4000	70	6
			25321A	MP400W/C/BU/UV/P/5K/SSFC	M59/O	White	17000	Safe-Shield® Coated	5000	80	6
1000	BT56	EX39	01060I	MP1000W/BU/4K/SSFC	M47/O	Clear	12000	Safe-Shield® Coated	4000	65	6
UNPROTECTED ENCLOSED RATED											
50	ED17	E26	25144A	M50W/U/MED/PS/3K	M110/E	Clear	10000	Pulse Start	3000	65	12
			01835A	M50W/U/MED/PS/4K	M110/E	Clear	10000	Pulse Start	4000	65	12
			25145A	M50W/U/MED/PS/5K	M110/E	Clear	10000	Pulse Start	5000	75	12



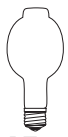
Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE (Cont'd)											
UNPROTECTED ENCLOSED RATED (Cont'd)											
50	ED17	E26	25143A	M50W/C/U/MED/PS/3K	M110/E	White	10000	Pulse Start	3000	70	12
			06258A	M50W/C/U/MED/PS/4K	M110/E	White	10000	Pulse Start	4000	70	12
			25146A	M50W/C/U/MED/PS/5K	M110/E	White	10000	Pulse Start	5000	80	12
70	ED17	E26	25118A	M70W/U/MED/PS/3K	M98/E	Clear	10000	Pulse Start	3000	65	12
			07935A	M70W/U/MED/PS/4K	M98/E	Clear	10000	Pulse Start	4000	65	12
			25166A	M70W/U/MED/PS/5K	M98/E	Clear	10000	Pulse Start	5000	75	12
			25167A	M70W/C/U/MED/PS/3K	M98/E	White	10000	Pulse Start	3000	70	12
			06056B	M70W/C/U/MED/PS/4K	M98/E	White	10000	Pulse Start	4000	70	12
			25168A	M70W/C/U/MED/PS/5K	M98/E	White	10000	Pulse Start	5000	80	12
	BT28	E39	25119A	M70W/U/BT28/PS/3K	M98/E	Clear	10000	Pulse Start	3000	65	12
			06205B	M70W/U/BT28/PS/4K	M98/E	Clear	10000	Pulse Start	4000	65	12
			25165A	M70W/U/BT28/PS/5K	M98/E	Clear	10000	Pulse Start	5000	75	12
			25173A	M70W/C/U/BT28/PS/3K	M98/E	White	10000	Pulse Start	3000	70	12
			25174A	M70W/C/U/BT28/PS/4K	M98/E	White	10000	Pulse Start	4000	70	12
			25175A	M70W/C/U/BT28/PS/5K	M98/E	White	10000	Pulse Start	5000	80	12
	R40	E26	25665A	M70W/U/R40/SP/4K	M98/E	Frost	10000	Spot	4000	65	6
			25659A	M70W/U/R40/FL/4K	M98/E	Frost	10000	Flood	4000	65	6
			25660A	M70W/U/R40/FL/5K	M98/E	Frost	10000	Flood	5000	75	6
100	ED17	E26	05250A	M100W/U/MED/PS/4K	M90/E	Clear	10000	Pulse Start	4000	65	12
			25202A	M100W/U/MED/PS/5K	M90/E	Clear	10000	Pulse Start	5000	75	12
			25203A	M100W/C/U/MED/PS/3K	M90/E	White	10000	Pulse Start	3000	70	12
			07450F	M100W/C/U/MED/PS/4K	M90/E	White	10000	Pulse Start	4000	70	12
			25204A	M100W/C/U/MED/PS/5K	M90/E	White	10000	Pulse Start	5000	80	12
	BT28	E39	04873B	M100W/U/BT28/PS/4K	M90/E	Clear	10000	Pulse Start	4000	65	12
			25212A	M100W/C/U/BT28/PS/4K	M90/E	White	10000	Pulse Start	4000	70	12
	R40	E26	25677A	M100W/U/R40/SP/4K	M90/E	Frost	10000	Spot	4000	65	6
			25671A	M100W/U/R40/FL/4K	M90/E	Frost	10000	Flood	4000	65	6
			25672A	M100W/U/R40/FL/5K	M90/E	Frost	10000	Flood	5000	75	6
150	ED17	E26	25236A	M150W/U/MED/PS/3K	M102/E	Clear	10000	Pulse Start	3000	65	12
			02024A	M150W/U/MED/PS/4K	M102/E	Clear	10000	Pulse Start	4000	65	12
			25237A	M150W/U/MED/PS/5K	M102/E	Clear	10000	Pulse Start	5000	75	12
			25239A	M150W/C/U/MED/PS/4K	M102/E	White	10000	Pulse Start	4000	65	12
	BT28	E39	21857C	M150W/U/BT28/PS/4K	M102/E	Clear	10000	Pulse Start	4000	65	12
			23870B	M150W/C/U/BT28/PS/4K	M102/E	White	10000	Pulse Start	4000	70	12
175	ED17	E26	25257A	M175W/U/MED/3K	M57/E	Clear	10000		3000	65	12
			06782A	M175W/U/MED/4K	M57/E	Clear	10000		4000	65	12
			25258A	M175W/U/MED/5K	M57/E	Clear	10000		5000	75	12
			25259A	M175W/C/U/MED/3K	M57/E	White	10000		3000	70	12
			03695D	M175W/C/U/MED/4K	M57/E	White	10000		4000	70	12
			25260A	M175W/C/U/MED/5K	M57/E	White	10000		5000	80	12
	BT28	E39	25265A	M175U/3K	M57/E	Clear	15000		3000	65	12
			02287B	M175U/4K	M57/E	Clear	15000		4000	65	12
			25266A	M175U/5K	M57/E	Clear	15000		5000	75	12
			01253A	M175W/C/U/4K	M57/E	White	15000		4000	70	12



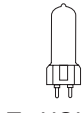
Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE (Cont'd)											
UNPROTECTED ENCLOSED RATED (Cont'd)											
175	R40	E26	25683A	M175W/U/R40/SP/4K	M57/E	Frost	10000	Spot	4000	65	6
			01249B	M175W/U/R40/FL/4K	M57/E	Frost	10000	Flood	4000	65	6
	T15	E39	23347B	M175W/U/T15/4K	M57/E	Clear	10000		4000	65	12
	ED17	E26	26588A	MS175W/BU/MED/PS/3K	M137/M152/E	Clear	10000	Pulse Start	3000	70	12
			26540A	MS175W/BU/MED/PS/4K	M137/M152/E	Clear	10000	Pulse Start	4000	65	12
			26589A	MS175W/C/BU/MED/PS/3K	M137/M152/E	White	10000	Pulse Start	3000	70	12
			26541A	MS175W/C/BU/MED/PS/4K	M137/M152/E	White	10000	Pulse Start	4000	70	12
	BT28	E39	26590A	MS175W/BU/PS/3K	M137/M152/E	Clear	15000	Pulse Start	3000	65	12
			26542A	MS175W/BU/PS/4K	M137/M152/E	Clear	15000	Pulse Start	4000	65	12
200	ED17	E26	26548A	MS200W/BU/MED/PS/4K	M136/E	Clear	10000	Pulse Start	4000	65	12
			26549A	MS200W/C/BU/MED/PS/4K	M136/E	White	10000	Pulse Start	4000	70	12
	BT28	E39	26550A	MS200W/BU/PS/4K	M136/E	Clear	15000	Pulse Start	4000	65	12
			26551A	MS200W/C/BU/PS/4K	M136/E	White	15000	Pulse Start	4000	70	12
250	BT28	E39	25278A	M250U/3K	M58/E	Clear	15000		3000	75	12
			01047C	M250U/4K	M58/E	Clear	15000		4000	65	12
			25279A	M250U/5K	M58/E	Clear	15000		5000	75	12
			25284A	M250W/C/U/3K	M58/E	White	15000		3000	70	12
			01048G	M250W/C/U/4K	M58/E	White	15000		4000	70	12
			21764B	MS250/BU/4K	M58/E	Clear	15000		4000	65	12
	T15	E39	05005C	M250W/U/T15/4K	M58/E	Clear	10000		4000	65	12
	BT28	E39	26604A	MS250W/BU/PS/3K	M138/M153/E	Clear	15000	Pulse Start	3000	65	12
			26556A	MS250W/BU/PS/4K	M138/M153/E	Clear	15000	Pulse Start	4000	65	12
			26605A	MS250W/C/BU/PS/3K	M138/M153/E	White	15000	Pulse Start	3000	70	12
			26557A	MS250W/C/BU/PS/4K	M138/M153/E	White	15000	Pulse Start	4000	70	12
300	BT28	E39	26608A	MS300W/BU/BT28/PS/3K	M151/E	Clear	18000	Pulse Start	3000	65	12
			26560A	MS300W/BU/BT28/PS/4K	M151/E	Clear	18000	Pulse Start	4000	65	12
			26561A	MS300W/C/BU/BT28/PS/4K	M151/E	White	18000	Pulse Start	4000	70	12
	BT37	E39	26643A	MS300W/BU/BT37/PS/4K	M151/E	Clear	18000	Pulse Start	4000	65	6
			26644A	MS300W/C/BU/BT37/PS/4K	M151/E	White	18000	Pulse Start	4000	70	6
320	BT28	E39	26619A	MS320W/BU/BT28/PS/3K	M132/M154/E	Clear	18000	Pulse Start	3000	65	12
			26564A	MS320W/BU/BT28/PS/4K	M132/M154/E	Clear	18000	Pulse Start	4000	65	12
			26620A	MS320W/C/BU/BT28/PS/3K	M132/M154/E	White	18000	Pulse Start	3000	70	12
			26565A	MS320W/C/BU/BT28/PS/4K	M132/M154/E	White	18000	Pulse Start	4000	70	12
	BT37	E39	26621A	MS320W/BU/BT37/PS/3K	M132/M154/E	Clear	18000	Pulse Start	3000	65	6
			26566A	MS320W/BU/BT37/PS/4K	M132/M154/E	Clear	18000	Pulse Start	4000	65	6
			26622A	MS320W/C/BU/BT37/PS/3K	M132/M154/E	White	18000	Pulse Start	3000	70	6
			26567A	MS320W/C/BU/BT37/PS/4K	M132/M154/E	White	18000	Pulse Start	4000	70	6
350	BT28	E39	26626A	MS350W/BU/BT28/PS/3K	M131/M135/E	Clear	18000	Pulse Start	3000	65	12
			26572A	MS350W/BU/BT28/PS/4K	M131/M135/E	Clear	18000	Pulse Start	4000	65	12
			26627A	MS350W/C/BU/BT28/PS/3K	M131/M135/E	White	18000	Pulse Start	3000	70	12
			26573A	MS350W/C/BU/BT28/PS/4K	M131/M135/E	White	18000	Pulse Start	4000	70	12
	BT37	E39	26628A	MS350W/BU/BT37/PS/3K	M131/M135/E	Clear	18000	Pulse Start	3000	65	6
			26574A	MS350W/BU/BT37/PS/4K	M131/M135/E	Clear	18000	Pulse Start	4000	65	6
			26575A	MS350W/C/BU/BT37/PS/4K	M131/M135/E	White	18000	Pulse Start	4000	70	6



Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE (Cont'd)											
UNPROTECTED ENCLOSED RATED (Cont'd)											
360	BT28	E39	29225B	MS360/BU/BT28/4K	M59/E	Clear	15000		4000	70	12
	BT37	E39	23066B	MS360/BU/4K	M59/E	Clear	18000		4000	65	6
400	BT28	E39	25350A	M400W/U/BT28/3K	M59/E	Clear	18000		3000	65	12
			07694E	M400W/U/BT28/4K	M59/E	Clear	18000		4000	65	12
			25293A	M400W/C/U/BT28/3K	M59/E	White	18000		3000	70	12
			25286A	M400W/C/U/BT28/4K	M59/E	White	18000		4000	70	12
			07694F	MS400/BU/BT28/4K	M59/E	Clear	15000		4000	65	12
	EP39		20475C	MS400W/HOR/BT28/4K	M59/E	Clear	18000		4000	70	12
	E39		26634A	MS400W/BU/BT28/PS/3K	M135/M155/E	Clear	18000	Pulse Start	3000	65	12
			26580A	MS400W/BU/BT28/PS/4K	M135/M155/E	Clear	18000	Pulse Start	4000	65	12
			26581A	MS400W/C/BU/BT28/PS/4K	M135/M155/E	White	18000	Pulse Start	4000	70	12
	BT37	E39	25288A	M400U/3K	M59/E	Clear	18000		3000	65	6
			01054D	M400U/4K	M59/E	Clear	18000		4000	65	6
			25289A	M400U/5K	M59/E	Clear	18000		5000	75	6
			25297A	M400W/C/U/3K	M59/E	White	18000		3000	70	6
			03082G	M400W/C/U/4K	M59/E	White	18000		4000	70	6
			25292A	M400W/C/U/5K	M59/E	White	18000		5000	80	6
			05888F	MS400/BU/4K	M59/E	Clear	15000		4000	65	6
	EP39		04887B	MS400W/HOR/4K	M59/E	Clear	18000		4000	70	6
	E39		22688B	MS400/C/BU/3K	M59/E	White	15000		3000	70	6
			23821B	MS400/C/BU/4K	M59/E	White	15000		4000	70	6
			26636A	MS400W/BU/BT37/PS/3K	M135/M155/E	Clear	18000	Pulse Start	3000	65	6
			26582A	MS400W/BU/BT37/PS/4K	M135/M155/E	Clear	18000	Pulse Start	4000	65	6
			26583A	MS400W/C/BU/BT37/PS/4K	M135/M155/E	White	18000	Pulse Start	4000	70	6
	ET18	E39	26080B	M400W/U/ET18/4K	M59/E	Clear	18000		4000	65	12
	T15	E39	02525D	M400W/U/T15/4K	M59/E	Clear	15000		4000	65	12
	EP39		02525F	MS400/HOR/T15/4K	M59/E	Clear	15000		4000	70	12
750	BT37	E39	24796B	MS750W/BU/BT37/PS/4K	M149/E	Clear	15000	Pulse Start	4000	70	6
1000	BT37	E39	01223E	M1000W/U/BT37/4K	M47/E	Clear	10000		4000	65	6
			26840A	M1000W/U/BT37/5K	M47/E	Clear	10000		5000	75	6
	BT56	E39	01060D	M1000U/4K	M47/E	Clear	15000		4000	65	6
			26839A	M1000U/5K	M47/E	Clear	15000		5000	75	6
			01064E	M1000W/C/U/4K	M47/E	White	15000		4000	70	6
			26841A	M1000W/C/U/5K	M47/E	White	15000		5000	80	6
	BT37	E39	00175I	MS1000W/BU/BT37/PS/4K	M141/E	Clear	15000	Pulse Start	4000	70	6
1500	BT56	E39	01067A	M1500U/3K	M48/E	Clear	3000		3000	65	6
SELF EXTINGUISHING											
400	BT37	E39	26341B	MT400/BU	M59/E	Clear	18000	Self-Extinguishing	4000	65	6
HPS RETROFIT											
250	T15	E39	22850A	HQI-SE 250/DX	S50/E	Clear	9000		5200	90	12
	BT28	E39	06130D	MS250/BU/LU/4K	S50/E	Clear	10000		4000	65	12
400	T15	E39	23015A	HQI-SE 400/DX	S51/E	Clear	9000		5000	90	12
	BT28	E39	21416B	MS400/BU/LU/4K	S51/E	Clear	18000		4000	70	12
	BT37	E39	21476B	MS400W/BU/LU/4K	S51/E	Clear	18000		4000	65	6



BT37



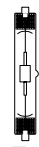
T7 HQI-SE



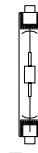
T15



T6



T7



T9.5



BT28



BT56

Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE (Cont'd)											
HPS RETROFIT (Cont'd)											
400	BT37	E39	03082J	MS400W/C/BU/LU/4K	S51/E	Clear	18000		4000	70	6
		EX39	03082K	MP400/BU/LU/4K	S51/O	Clear	18000	Open Rated Protected	4000	65	6
SINGLE ENDED HIGH CRI											
70	T7.5	G12	05703B	HQI-SE 70W/WDX	M98/E	Clear	9000		3200	80	12
150	T7.5	G12	05703A	HQI-SE 150W/WDX	M102/E	Clear	9000		3200	80	12
			21035C	HQI-SE 150/NDX	M102/E	Clear	9000		4200	80	12
250	T15	E39	22850A	HQI-SE 250/DX	S50/E	Clear	9000		5200	90	12
400	T15	E39	23015A	HQI-SE 400/DX	S51/E	Clear	9000		5000	90	12
DOUBLE ENDED											
70	T6	RX7S	06610C	MH-DE 70/3K	M85/E	Clear	10000		3000	65	12
			06610A	MH-DE 70/4K	M85/E	Clear	10000		4000	65	12
			26037A	MH-DE 70/5K	M85/E	Clear	10000		5000	65	12
			28545A	HQI-DE 70/WDX	M85/E	Clear	10000		3000	80	12
			06610B	HQI-DE 70/NDX	M85/E	Clear	10000		4200	85	12
150	T7	RX7S	21035A	MH-DE 150/3K	M81/E	Clear	10000		3000	65	12
			06343A	MH-DE 150/4K	M81/E	Clear	10000		4000	65	12
			24943A	HQI-DE 150/NDX	M81/E	Clear	10000		4200	80	12
250	T9.5	FC2	08226B	MH-DE 250/3K	M80/E	Clear	10000		3000	65	12
			08226A	MH-DE 250/4K	M80/E	Clear	10000		4000	65	12
			04960A	HQI-DE 250/NDX	M80/E	Clear	10000		4000	85	12
400	T9.5	FC2	00824A	HQI-DE 400/DX	M59/E	Clear	10000		5200	90	12
COLORED METAL HALIDE BULBS											
175	BT28	E39	02287I	M175U/ADX	M57/E	Aqua	5000				12
			02287F	M175U/BDX	M57/E	Blue	5000				12
			02287H	M175U/GDX	M57/E	Green	5000				12
			02287J	M175U/MDX	M57/E	Magenta	5000				12
			02287L	M175U/PDX	M57/E	Pink	5000				12
			02287G	M175U/RDX	M57/E	Red	5000				12
250	BT28	E39	01047L	M250U/ADX	M58/E	Aqua	5000				12
			01047K	M250U/BDX	M58/E	Blue	5000				12
			01047J	M250U/GDX	M58/E	Green	5000				12
			01047M	M250U/MDX	M58/E	Magenta	5000				12
			01047O	M250U/PDX	M58/E	Pink	5000				12
			01047I	M250U/RDX	M58/E	Red	5000				12
400	BT37	E39	01054M	M400U/ADX	M59/E	Aqua	5000				6
			01054L	M400U/BDX	M59/E	Blue	5000				6
			01054K	M400U/GDX	M59/E	Green	5000				6
			01054N	M400U/MDX	M59/E	Magenta	5000				6
			01054P	M400U/PDX	M59/E	Pink	5000				6
			01054J	M400U/RDX	M59/E	Red	5000				6
1000	BT56	E39	01060M	M1000U/ADX	M47/E	Aqua	5000				6
			01060L	M1000U/BDX	M47/E	Blue	5000				6
			01060K	M1000U/GDX	M47/E	Green	5000				6
			01060N	M1000U/MDX	M47/E	Magenta	5000				6



BT56

Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg Kelvin	Avg CRI	Ctn Qty
METAL HALIDE (Cont'd)											
COLORED METAL HALIDE BULBS (Cont'd)											
1000	BT56	E39	01060P	M1000U/PDX	M47/E	Pink	5000				6
			01060J	M1000U/RDX	M47/E	Red	5000				6



DAMAR®

LIGHTING THE WORLD

HIGH PRESSURE SODIUM

Please Call (800) 601-9007 for Mercury Recycle Information

KEY TO HEADING

The reference material in these headings may help you in confirming mercury vapor lamp specifications and in ordering products. Lamps are grouped by product line, then into groups according to wattage, bulb shape and size, and base. The exception to this rule may occur with specialty items. For assistance, please contact your Damar representative.

Watt:

Energy expended. To estimate energy consumption (kw) multiply watts x hours of use and divide by 1000.

Avg Life Hours:

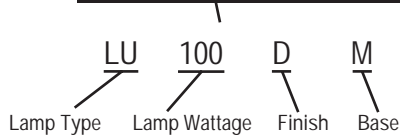
Rated average life in hours.

Master Carton Label:

Number of units per case.

<p>Shape: Shape of bulb followed by size (the max. diameter of the bulb measured in eighths of an inch).</p>	<p>Item No: The Damar identification code.</p>	<p>Finish/Color: The physical appearance of the lamp.</p>	<p>Notes: Additional important information.</p>
<p>Base: The base type.</p>	<p>Description: The Industry identification code.</p>	<p>ANSI: Ballast type necessary to operate lamp.</p>	<p>Color Rendering Index: (CRI) A system used to rate a lamps ability to render object colors.</p>

Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg CRI	Ctn Qty
HIGH PRESSURE SODIUM										
STANDARD										
35	ED17	E26	02164D	LU35/M	S76	Clear	16000		22	12
			02790B	LU100/D/M	S76	White	16000		22	12



HPS BRAND NAME CROSS-REFERENCE			
DAMAR	GE*	OSRAM/SYLVANIA**	PHILIPS***
Damalux® Deluxe	Deluxe Lucalox	-	Cermalux Comfort
Damalux® Retrofit	E-Z Lux	Unalux	Cermalux Retrolux
Damalux®	Lucalox	Lumalux	Cermalux
Damalux® Standby	Standby Longlife Lucalox	Lumalux Standby	Instant Restrike Cermalux

ATTENTION: This brand-name cross-reference table is to be used only as a quick guide. Other company brand names may only represent a similiar product versus an exact match to Damar brands. Refer to individual manufacturers' reference sources and product specifications

*Trademark or registered trademark of General Electric Company.

**Trademark or registered trademark of Osram Sylvania Inc.

*** Trademark or registered trademark of Philips.



ED17



ED23.5



ET18



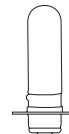
ED28



ED37



T15

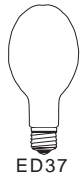


T16



ET25

Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg CRI	Ctn Qty
HIGH PRESSURE SODIUM										
STANDARD										
35	ED17	E26	02164D	LU35/M	S76	Clear	16000		22	12
			02790B	LU35/D/M	S76	White	16000		22	12
50	ED17	E26	01070C	LU50/M	S68	Clear	24000		22	12
			01070G	LU50/M/SSFC	S68	Clear	24000	High Temp Safe-Shield® Coated	22	12
			21900A	LU50/D/M	S68	White	24000		22	12
	ED23.5	E39	09091A	LU50	S68	Clear	24000		22	12
			09091E	LU50/SSFC	S68	Clear	24000	High Temp Safe-Shield® Coated	22	12
			01852F	LU50/D	S68	White	24000		22	12
70	ED17	E26	01073B	LU70/M	S62	Clear	24000		22	12
			01073E	LU70/M/SSFC	S62	Clear	24000	High Temp Safe-Shield® Coated	22	12
			01381B	LU70/D/M	S62	White	24000		22	12
	ED23.5	E39	01072D	LU70	S62	Clear	24000		22	12
			01072H	LU70/SSFC	S62	Clear	24000	High Temp Safe-Shield® Coated	22	12
			20659A	LU70/D	S62	White	24000		22	12
100	ED17	E26	01782A	LU100/M	S54	Clear	24000		22	12
			01782E	LU100/M/SSFC	S54	Clear	24000	High Temp Safe-Shield® Coated	22	12
			02565A	LU100/D/M	S54	White	24000		22	12
	ED23.5	E39	00925A	LU100	S54	Clear	24000		22	12
			00925B	LU100/SSFC	S54	Clear	24000	High Temp Safe-Shield® Coated	22	12
			01254C	LU100/D	S54	White	24000		22	12
150	ED17	E26	02222A	LU150/55/MED	S55	Clear	24000		22	12
			02222F	LU150/55/MED/SSFC	S55	Clear	24000	High Temp Safe-Shield® Coated	22	12
			01299C	LU150/55/D/MED	S55	White	24000		22	12
	ED23.5	E39	01258B	LU150/55	S55	Clear	24000		22	12
			05262A	LU150/55/SSFC	S55	Clear	24000	High Temp Safe-Shield® Coated	22	12
			02708B	LU150/55/D	S55	White	24000		22	12
200	ET18	E39	01260A	LU200	S66	Clear	24000		22	12
250	ED28	E39	01437C	LU250D	S50	White	24000		22	12
			01437F	LU250D/SSFC	S50	White	24000	High Temp Safe-Shield® Coated	22	12
	ET18	E39	01261A	LU250	S50	Clear	24000		22	12
			23004A	LU250/SSFC	S50	Clear	24000	High Temp Safe-Shield® Coated	22	12
310	ET18	E39	25129B	LU310	S67	Clear	24000		22	6
400	ED37	E39	04529C	LU400D	S51	White	24000		22	6
			04529E	LU400D/SSFC	S51	White	24000	High Temp Safe-Shield® Coated	22	6
	ET18	E39	01262B	LU400	S51	Clear	24000		22	12
	T15	E39	01262A	LU400T15	S51	Clear	24000		22	12
			02984A	LU400T15/SSFC	S51	Clear	24000	High Temp Safe-Shield® Coated	22	12
600	T16	E39	05198C	LU600	S106	Clear	24000		22	6
750	ED37	E39	04857C	LU750	S111	Clear	24000		22	6
1000	ED37	E39	01263G	LU1000/ED37	S52	Clear	24000		22	6
	ET25	E39	01263E	LU1000	S52	Clear	24000		22	6
			29090A	LU1000/SSFC	S52	Clear	24000	High Temp Safe-Shield® Coated	22	6
DOUBLE ENDED										
250	T7	RX7S	20995C	LU250T7/RX7S	S50	Clear	10000			12



Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg CRI	Ctn Qty
HIGH PRESSURE SODIUM (Cont'd)										
DOUBLE ENDED (Cont'd)										
400	T7	RX7S	08734A	LU400/T7/RX7S	S51	Clear	10000		25	12
RETROFIT										
150	ED28	E39	04767C	LU150/MVR	H39	Clear	24000		22	12
360	ED37	E39	01483B	LU360/MVR	H33	Clear	24000		22	6
STANDBY										
100	ED23.5	E39	23837A	LU100/SBY	S54	Clear	40000		22	12
150	ED23.5	E39	01258I	LU150/55/SBY	S55	Clear	40000		22	12
250	ET18	E39	01975B	LU250/SBY	S50	Clear	40000		22	12
400	ET18	E39	01867B	LU400/SBY	S51	Clear	40000		22	12
1000	ET25	E39	21358B	LU1000/SBY	S52	Clear	40000		22	6



DAMAR®

LIGHTING THE WORLD

MERCURY VAPOR

Please Call (800) 601-9007 for Mercury Recycle Information

KEY TO HEADINGS

The reference material in these headings may help you in confirming mercury vapor lamp specifications and in ordering products. Lamps are grouped by product line, then into groups according to wattage, bulb shape and size, and base. The exception to this rule may occur with specialty items. For assistance, please contact your Damar representative.

Watt: Energy expended. To estimate energy consumption (kw) multiply watts x hours of use and divide by 1000.		Avg Life Hours: Rated average life in hours.		Master Carton Label: Number of units per case.	
Shape: Shape of bulb followed by size (the max. diameter of the bulb measured in eighths of an inch).		Finish/Color: The physical appearance of the lamp.		Notes: Additional important information.	
Item No: The Damar identification code.		Description: The Industry identification code.		ANSI: Ballast type necessary to operate lamp.	
Base: The base type.		Color Rendering Index: (CRI) A system used to rate a lamps ability to render object colors.			

Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg CRI	Ctn Qty
MERCURY VAPOR										
40	ED17	E27	01026B	H46DL-40-50DX	H45/H46	White	16000	40-50 Watt	50	12
			01026E	H46DL-40-50DX/SSFC	H45/H46	White	16000	40-50 Watt Safe-Shield® Coated	50	12



MERCURY VAPOR BRAND NAME CROSS-REFERENCE

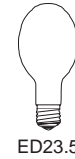
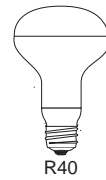
DAMAR	GE*	OSRAM/SYLVANIA**	PHILIPS***
Self Ballasted Mercury	E-Z Merc	-	Self Ballasted Mercury
Mercury Vapor SSFC	Saf-T-Gard Mercury	Mercury Safeline	Safety Lifeguard Mercury

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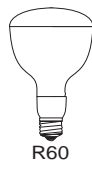
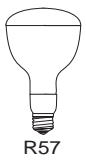
*Trademark or registered trademark of General Electric Company.

**Trademark or registered trademark of Osram Sylvania Inc.

*** Trademark or registered trademark of Philips.



Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg CRI	Ctn Qty
MERCURY VAPOR										
STANDARD										
40	E17	E27	01026B	H46DL-40-50DX	H45/H46	White	16000	40-50 Watt	50	12
			01026E	H46DL-40-50DX/SSFC	H45/H46	White	16000	40-50W, High Temp Safe-Shield®	50	12
50	R20	E27	06303A	HR50W/R20/FL	H46	Frost	16000	Flood	22	12
	R30	E27	06303B	HR50W/R30/FLOOD	H46	Frost	16000	Flood	22	12
75	E17	E27	01027C	H43AV75DX	H43	White	16000		50	12
			01027G	H43AV75DX/SSFC	H43	White	16000	High Temp Safe-Shield® Coated	50	12
			01027F	H43AV75/CL	H43	Clear	16000		22	12
100	A23	E27	01031G	H38MP100DX	H38	White	24000		50	24
	E17	E27	01031E	H38AV100/CL	H38	Clear	24000		22	12
			03826A	H38AV100DX	H38	White	24000		50	12
	E24	E27	01031B	H38AV100DX	H38	White	24000		50	12
		E39	01029C	H38HT100	H38	Clear	24000		22	12
			01030A	H38JA100DX	H38	White	24000		50	12
			01030D	H38JA100DX/SSFC	H38	White	24000	High Temp Safe-Shield® Coated	50	12
	R30	E27	06193A	HR100W/R30/FLOOD	H38	Frost	24000	Flood	22	12
	R40	E27	01028B	H38BP100DX	H38	White	24000	Flood	50	12
			06193B	H38BM100	H38	Frost	16000	Flood	22	12
125	ED23.5	E27	00785A	H125/DX/MED	H42	White	24000		50	12
175	ED28	E39	01038A	H39KB175	H39	Clear	24000		22	12
			01038H	H39KB175/SSFC	H39	Clear	24000	High Temp Safe-Shield® Coated	22	12
			01040D	H39KC175DX	H39	White	24000		50	12
			24234A	H39KC175DX/SSFC	H39	White	24000	High Temp Safe-Shield® Coated	50	12
	R40	E27	01038C	H39BM175	H39	Frost	24000	Flood	22	12
			01039B	H39BP175DX	H39	White	24000	Flood	50	12
250	ED28	E39	01045A	H37KB250	H37	Clear	24000		22	12
			01046C	H37KC250DX	H37	White	24000		50	12
400	ED37	E39	01049A	H33CD400	H33	Clear	24000		22	6
			01050D	H33GL400DX	H33	White	24000		50	6
			01050F	H33GL400DX/SSFC	H33	White	24000	High Temp Safe-Shield® Coated	50	6
	R52	E39	28418A	HR400RDX33	H33	White	24000	Flood	50	6
	T16	E39	23540B	H400A33/T16	H33	Clear	12000		22	6
1000	BT56	E39	01058B	H36GV1000	H36	Clear	12000		22	6
			01059A	H36GW1000DX	H36	White	12000		50	6
SELF-BALLASTED										
160	ED23.5	E26	01035B	160WSB/ED23/MED/DX	120V	White	10000		50	12
			01035G	160WSB/ED23/MED/DX	277V	White	10000		50	12
	BR38	E26	21400A	160WSB/BR38/FL	120	Clear	10000	Flood	22	6
	R40	E26	01309A	160WSB/R40/MED/FL	120V	Frost	10000	Flood	22	12
250	ED28	E26	01043B	250WSB/ED28/MED/DX	120V	White	10000		50	12
		E39	01042A	250WSB/ED28/DX	120V	White	10000		50	12
	R40	E26	06118A	250WSB/R40/MED	120	Frost	12000	Flood	22	24
300	R40	E26	23483A	300WSB/R40/MED/FL	120	Frost	12000	Flood	22	24
450	ED37	E39	02861B	450WSB/ED37/DX	120V	White	10000		50	6
			00190B	450WSB/ED37/DX	230V	White	10000		50	6



Watt	Shape	Base	Item No	Description	ANSI	Finish /Color	Avg Life Hours	Notes	Avg CRI	Ctn Qty
MERCURY VAPOR (Cont'd)										
SELF-BALLASTED (Cont'd)										
450	R57	E39	20339A	450WSB/R57/DX	120	White	16000	Flood	50	6
500	BT37	E39	01298B	500WSB/BT37/DX	120	White	16000	Flood	50	20
750	BT46	E39	06400A	750WSB/BT46/DX	120	White	16000	Flood	50	6
	R57	E39	02218A	750WSB/R57	120	White	16000	Flood	50	6
	R60	E40	02218B	750WSB/R60	240-250	White	16000	Flood	50	6