

GE Protected Metal Halide Lamps

Suitable for Use in Open Luminaires and Are Marked With the /O Luminaire Code As Specified in ANSI C78.380-2002, High-intensity Discharge Lamps, Method of Designation, Annex B.

Available in Ceramic Metal Halide, MXR and MPR

Designed to meet the containment test specified in ANSI C78.387,

Intended primarily for use in open luminaires but may also be operated in enclosed luminaires.

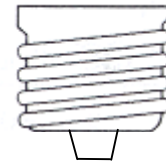
MPR lamps employ a quartz shroud that surrounds the arc tube to reduce the potential risk to persons and property in the unlikely case of an arc tube rupture.

GE's mogul based protected Ceramic Metal Halide and MPR lamps are provided with an EX39 exclusionary base

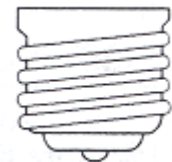
GE's EX39 based MPR lamps are fully compatible with the requirements for new and renovated Metal Halide installations that fall under the jurisdiction of the 2005 National Electric Code (NEC) For more information on the 2005 NEC requirements and implications for certain metal halide lamps refer to NEMA LSD 25-2002, and NEMA LSD 31-2004, as noted in the reference section.

GE MXR protected metal halide lamps employ E26 medium bases

GE's MXR protected lamps are designed with a narrow neck ED17 bulb that have a *maximum* neck diameter of 31.5mm (~1.24") and can be distinguished from GE's enclosed-rated MXR lamps which uses a BD17 bulb that have a *minimum* neck diameter of 34mm (~1.34"). GE's MXR protected MH lamps are in compliance with ANSI standard C78.43-2004, for single-ended MH lamps.

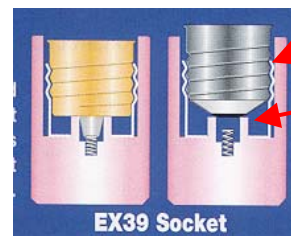


EX39 Base



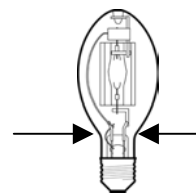
E39 Base

The EX39 base has an extended center terminal that can reach the center contact of an EX39 socket.



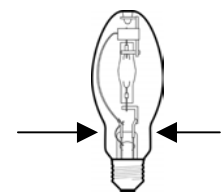
Standard E39 mogul base

Additional ceramic material around the center contact keeps standard E39 mogul base from seating and making contact



ED17
Med

Open-rated ED17 lamps have a **max** bulb neck diameter of 31.5mm (~1.24")



BD17
Med

Enclosed-rated BD17 lamps have a **min** bulb neck diameter of 31mm (~1.34")



Additional / extended insulator height on "exclusionary" socket keeps BD17 lamp from seating



GE Protected Metal Halide Lamps

Protected Multi-Vapor® Metal Halide

Watts	Order Code	Description	ANSI Type	Bulb Shape	Bulb Size	Base Type	Finish	LET	OP	Rated Life	Lumens Initial	Lumens Mean	CCT	CRI
32	12651	MXR32/C/VBD/O	M100	ED	17	Med	Coated	O	VBD	10000	2400	1700	3200	70
32	16469	MXR32/C/VBU/O	M100	ED	17	Med	Coated	O	VBU	10000	2400	1700	3200	70
50	45670	MXR50/U/MED/O	M110	ED	17	Med	Clear	O	U	10000	3400	1700	3500	70
50	45671	MXR50/C/U/MED/O	M110	ED	17	Med	Coated	O	U	10000	3200	1500	3500	70
70	12377	MXR70/U/MED/O	M98	ED	17	Med	Clear	O	U	12000	5500	3500	3200	70
70	12577	MXR70/C/U/MED/O	M98	ED	17	Med	Coated	O	U	12000	5300	3300	3200	70
100	12381	MXR100/U/MED/O	M90	ED	17	Med	Clear	O	U	15000	9000	6200	3200	70
100	12579	MXR100/C/U/MED/O	M90	ED	17	Med	Coated	O	U	15000	8500	5900	3200	70
150	45683	MXR15/U/MED/O	M102	ED	17	Med	Clear	O	U	15000	12500	8600	3500	70
150	45688	MXR150/C/U/MED/O	M102	ED	17	Med	Coated	O	U	15000	12000	8300	3500	70
175	49470	MPR175/VBU/O	M57	BT	28	EX39	Clear	O	VBU	10000	14400	10200	4000	65
175	11649	MPR175/C/VBU/O	M57	BT	28	EX39	Coated	O	VBU	10000	12800	7800	3800	70
250	49471	MPR250/VBU/O	M58	BT	28	EX39	Clear	O	VBU	10000	23000	17000	4000	65
250	11650	MPR250/C/VBU/O	M58	BT	28	EX39	Coated	O	VBU	10000	20500	14700	3800	70
320	46275	MPR320/VBU/XHO/PA	M132 or M154	ED	37	EX39	Clear	O	VBU	20000	32000	22500	4000	65
320	46276	MPR320/C/VBU/XHO/PA	M132 or M154	ED	37	EX39	Coated	O	VBU	20000	30500	21500	3700	70
320	19609	MPR320/C/PA/ED28	M132 or M154	ED	28	EX39	Coated	O	VBU	20000	30600	24500	3700	70
350	10202	MPR350/VBU/PA	M131	ED	37	EX39	Clear	O	VBU	20000	35200	28200	4000	65
350	48824	MPR350/C/VBU/PA	M131	ED	37	EX39	Coated	O	VBU	20000	33400	26700	3700	70
350	48825	MPR350/C/VBU/3K/PA	M131	ED	37	EX39	Coated	O	VBU	20000	33400	26700	3200	70
360	40056	MPR360/VBU/WM/HO/O	M59	ED	37	EX39	Clear	O	VBU	20000	36000	23500	4000	65
360	11685	MPR360CVBUWMHO/O	M59	ED	37	EX39	Coated	O	VBU	20000	35000	22500	3700	70
400	18708	MPR400/VBU/HO/O	M59	ED	37	EX39	Clear	O	VBU	20000	40000	26000	3400	65
400	13582	MPR400/C/VBU/HO/O	M59	ED	37	EX39	Coated	O	VBU	20000	38000	25000	3200	70
400	46273	MPR400/VBU/XHO/PA	M135 or M155	ED	37	EX39	Clear	O	VBU	20000	42000	29500	4000	65
400	46274	MPR400/C/VBUXHO/PA	M135 or M155	ED	37	EX39	Coated	O	VBU	20000	40000	28000	3700	70
1000	41433	MPR1000/VBU/O	M47	BT	56	EX39	Clear	O	VBU	12000	107000	85500	3500	65

Protected ConstantColor® Ceramic Metal Halide (CMH®)

70	31069	CMH70/U/830/MED/O	M98 or M143	ED	17	Med	Clear	O	U	15000	5700	4100	3000	80
70	31070	CMH70/C/U/830/MED/O	M98 or M143	ED	17	Med	Coated	O	U	15000	5700	4100	3000	80
70	31073	CMH70/U/942/MED/O	M98 or M143	ED	17	Med	Clear	O	U	15000	5500	4200	4000	90
70	31074	CMH70/C/U/942/MED/O	M98 or M143	ED	17	Med	Coated	O	U	15000	5200	4000	4000	90
150	31065	CMH150/U/830/MED/O	M102 or M142	ED	17	Med	Clear	O	U	12000	12900	9500	3000	80
150	31066	CMH150/C/U830/MED/O	M102 or M142	ED	17	Med	Coated	O	U	12000	11900	8800	3000	80
150	31067	CMH150/U/942/MED/O	M102 or M142	ED	17	Med	Clear	O	U	15000	12000	9000	4200	90
150	31068	CMH150/C/U/942/MED/O	M102 or M142	ED	17	Med	Coated	O	U	15000	11000	8300	4200	90
250	48429	CMH250/VBU/PA/O	M138 or M153	ED	28	EX39	Clear	O	VBU	15000	23000	18400	4100	90
250	48432	CMH250/C/VBU/PA/O	M138 or M153	ED	28	EX39	Coated	O	VBU	15000	22000	17600	4100	90
350	11834	CMH350/VBU/940/PA/O	M131	ED	37	EX39	Clear	O	VBU	20000	34000	27200	3600	90
350	11835	CMH350/C/VBU/940/PA/O	M131	ED	37	EX39	Coated	O	VBU	20000	33000	26400	3600	90
400	49910	CMH400/VBU/940/PA/O		ED	37	EX39	Clear	O	VBU	20000	40000	32000	3700	92
400	49911	CMH400/C/VBU/940/PA/O		ED	37	EX39	Coated	O	VBU	20000	39000	31200	3700	92

Protected ConstantColor® Ceramic Metal Halide PAR Lamps (CMH® PAR)

Watts	Order Code	Description	ANSI Type	Bulb Shape	Bulb Size	Base Type	LET	OP	Rated Life	Lumens Initial	CBCP	CCT	CRI
20	29485	CMH20PAR20/SP	M156	PAR	20	Med	O	U	7500	1000	13000	3000	81
20	29486	CMH20PAR20/FL	M156	PAR	20	Med	O	U	7500	1000	3750	3000	81
20	29487	CMH20PAR30/SP10	M156	PAR	30L	Med	O	U	7500	1200	19800	3000	81
20	29488	CMH20PAR30/SP15	M156	PAR	30L	Med	O	U	7500	1200	14500	3000	81
20	29489	CMH20PAR30/FL25	M156	PAR	30L	Med	O	U	7500	1200	4900	3000	81
39	42068	CMH39/UPAR20/FL25	M130	PAR	20	Med	O	U	10000	2100	7500	3000	86
39	42069	CMH39/UPAR20/SP10	M130	PAR	20	Med	O	U	10000	2100	22000	3000	86
39	42066	CMH39/PAR30L/SP15	M130	PAR	30L	Med	O	U	10000	2400	29000	3000	81
39	42067	CMH39/PAR30L/FL25	M130	PAR	30L	Med	O	U	10000	2400	11000	3000	81
39	45066	CMH39/PAR30L/SP10	M130	PAR	30L	Med	O	U	10000	2400	39600	3000	81
70	22152	CMH70/PAR30L/830SP	M98 or M139	PAR	30L	Med	O	U	11000	4700	43000	3000	82
70	22159	CMH70/PAR30L/830FL	M98 or M139	PAR	30L	Med	O	U	11000	4700	10000	3000	82
70	45675	CMH70/PAR38/830SP15/ECO	M98 or M139	PAR	38	Med	O	U	10000	4800	40000	3000	82
70	45677	CMH70/PAR38/830FL25/ECO	M98 or M139	PAR	38	Med	O	U	10000	4800	14000	3000	82
70	45679	CMH70/PAR38/830WF/ECO	M98 or M139	PAR	38	Med	O	U	10000	4800		3000	82
100	45680	CMH100/PAR38/830S15/ECO	M90 or M140	PAR	38	Med	O	U	10000	6500	45000	3000	81
100	45681	CMH100/PAR38/830F25/ECO	M90 or M140	PAR	38	Med	O	U	10000	6500	15000	3000	81
100	45682	CMH100/PAR38/830W/ECO	M90 or M140	PAR	38	Med	O	U	10000	6500		3000	81