



HID

Metal Halide (MH) lamps are characterized by a white light, a long life, and are suitable for both indoor and outdoor applications. Ceramic Metal Halide (CMH) lamps combine the white light of metal halide with the added benefit of a high CRI. CMH lamps are an energy efficient alternative to halogen lamps! High Pressure Sodium (HPS) lamps are commonly found in many industrial and outdoor applications, and offer high efficiency and a long life.

Lamps must be operated in their specified operating positions in order to maximize lamp performance and life. An Incorrect operating positions may also lead to lamp rupture.

HID systems do not have any ceiling height restrictions and can be used in a wide variety of applications. HID lamps will perform equally well and maintain light output in both cold and warm applications.

Metal Halide - Pulse Start



MOL: 5 7/16 in. (138 mm)
Ø 2 1/8 in. (54 mm)
LCL: 3 3/8 in. (86 mm)

ED17



MOL: 5 7/16 in. (138 mm)
Ø 2 1/8 in. (54 mm)
LCL: 3 3/8 in. (86 mm)

EDX17



MOL: 8 5/16 in. (211 mm)
Ø 3 1/2 in. (89 mm)
LCL: 5 in. (127 mm)

ED28



MOL: 11 1/2 in. (292 mm)
Ø 4 5/8 in. (117.5 mm)
LCL: 7 in. (178 mm)

ED37

Order code	Description	Shape	Base	ANSI code	Color temp. (K)	Lumen output (lm)	Mean lumens (lm)	CRI	Average life (hrs)	Operating position	Finish	Luminaire	Case qty (master)
50 watts													
68511	MH50W/U/PS STD	ED17	E26	M110/E	4 000	3 400	2 200	65	10 000	U	Clear	E	12
68654	MH50W/C/U/PS STD	ED17	E26	M110/E	3 700	3 200	2 100	60	15 000	U	Coated	E	12
68606	MP50W/U/UVS/PS STD	EDX17	E26	M110/O	4 200	3 200	2 100	65	10 000	U	Clear	O	12
68868	MP50W/U/UVS/PS/3K STD	EDX17	E26	M110/O	3 200	3 450	1 550	60	20 000	U	Clear	O	12
70 watts													
68517	MH70W/U/PS STD	ED17	E26	M98/E	4 000	5 600	3 600	65	15 000	U	Clear	E	12
68653	MH70W/C/U/PS STD	ED17	E26	M98/E	3 700	5 300	3 400	70	15 000	U	Coated	E	12
68514	MP70W/U/UVS/PS STD	EDX17	E26	M98/O	4 000	5 300	3 400	65	15 000	U	Clear	O	12
68879	MP70W/C/U/UVS/PS STD	EDX17	E26	M98/O	3 700	5 000	3 300	70	15 000	U	Coated	O	12
68889	MP70W/U/UVS/PS/3K STD	EDX17	E26	M98/O	3 200	5 300	2 750	60	15 000	U	Clear	O	12
68886	MP70W/C/U/UVS/PS/3K STD	EDX17	E26	M98/O	3 200	5 000	4 250	60	8 000	U	Coated	O	12
68519	MH70W/U/ED28/PS STD	ED28	E39	M98/E	4 000	5 600	3 600	65	15 000	U	Clear	E	12
100 watts													
68503	MH100W/U/PS STD	ED17	E26	M90/E	4 000	9 000	5 900	65	15 000	U	Clear	E	12
68655	MH100W/C/U/PS STD	ED17	E26	M90/E	3 700	8 500	5 500	70	15 000	U	Coated	E	12
68510	MP100W/U/UVS/PS STD	EDX17	E26	M90/O	4 000	8 500	5 500	65	15 000	U	Clear	O	12
68651	MP100W/C/U/UVS/PS/3K STD	EDX17	E26	M90/O	3 200	8 100	5 300	60	10 000	U	Coated	O	12
68652	MP100W/C/U/UVS/PS STD	EDX17	E26	M90/O	3 700	8 100	5 300	70	15 000	U	Coated	O	12
68649	MP100W/U/UVS/PS/3K STD	EDX17	E26	M90/O	3 200	8 500	4 800	60	15 000	U	Clear	O	12
68502	MH100W/U/ED28/PS STD	ED28	E39	M90/E	4 000	9 000	5 900	65	10 000	U	Clear	E	12
68882	MH100W/C/U/ED28/PS STD	ED28	E39	M90/E	3 700	8 500	7 100	70	15 000	U	Coated	E	12

O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures

Note: Lamp description containing UVS have the UV Stop feature.

Order code	Description	Shape	Base	ANSI code	Color temp. (K)	Average life (hrs)	Lumen output (lm)	Mean lumens (lm)	CRI	Operating position	Finish	Luminaire	Case qty (master)
150 watts													
68515	MH150W/U/PS/740 STD	ED17	E26	M102/E	4 000	15 000	14 000	10 500	65	U	Clear	E	12
68870	MP150W/U/UVS/PS/740 STD	EDX17	E26	M102/O	4 000	15 000	13 300	10 000	65	U	Clear	O	12
68871	MP150W/C/U/UVS/PS/737 STD	EDX17	E26	M102/O	3 700	15 000	12 600	9 500	70	U	Coated	O	12
68513	MH150W/U/ED28/PS/740 STD	ED28	E39	M102/E	4 000	15 000	14 000	10 500	65	U	Clear	E	12
68659	MP150W/C/U/ED28/UVS/PS STD	ED28	EX39	M102/O	3 700	15 000	12 600	10 000	65	U	Coated	O	12
175 watts													
68656	MS175W/BU/MED/PS/740 STD	ED17	E26	M152/M137/E	4 000	15 000	17 000	12 500	65	BU±15°	Clear	E	12
59144	MS175W/C/BU/MED/PS/737 STD	ED17	E26	M152/E	3 700	15 000	16 600	13 300	70	BU±15°	Coated	E	12
68880	MS175W/BU/PS/740 STD	ED28	E39	M152/M137/E	4 000	15 000	17 500	12 500	70	BU±15°	Clear	E	12
200 watts													
68641	MS200W/BU/MED/PS/740 STD	ED17	E26	M136/E	4 000	12 000	21 000	16 000	65	BU±15°	Clear	E	12
57967	MS200W/V/PS/740 STD	ED28	E39	M136/E	4 000	15 000	21 000	16 800	68	BU±15°	Clear	E	12
68881	MS200W/C/V/PS/737 STD	ED28	E39	M136/E	3 700	15 000	20 000	15 200	70	BU±15°	Coated	E	12
250 watts													
68873	MS250W/V/PS/740 STD	ED37	E39	M153/M138/E	4 000	15 000	29 000	23 000	70	VER±15°	Clear	E	12
68646	MS250W/H75/PS/740 STD	ED28	E39	M153/E	4 000	15 000	22 000	17 600	65	HOR±75°	Clear	E	12
68883	MS250W/C/V/PS/737 STD	ED28	E39	M138/M153	3 700	15 000	23 800	19 000	70	VER±15°	Coated	E	12
68643	MP250W/BU/UVS/PS/740 STD	ED28	EX39	M153/M138/O	4 000	15 000	23 500	19 000	65	BU±15°	Clear	O	12
320 watts													
68640	MS320W/V/ED37/PS/740 STD	ED37	E39	M154/M132/E	4 000	20 000	33 000	26 000	65	VER±15°	Clear	E	6
68874	MS320W/H75/ED28/PS/740 STD	ED28	E39	M154/M132/E	4 000	20 000	30 000	22 000	65	HOR±75°	Clear	E	12
68650	MP320W/BU/ED28/UVS/PS/740 STD	ED28	EX39	M154/M132/O	4 200	20 000	31 000	25 000	65	BU±15°	Clear	O	12
68884	MP320W/C/BU/ED28/UVS/PS/737 STD	ED28	EX39	M154/M132/O	3 700	20 000	29 000	23 000	70	BU±15°	Coated	O	12
68657	MP320W/BU/ED37/UVS/PS/740 STD	ED37	EX39	M154/M132/O	4 000	20 000	35 000	31 800	65	BU±15°	Clear	O	6
68872	MP320W/C/BU/ED37/UVS/PS/737 STD	ED37	EX39	M154/M132/O	3 700	15 000	29 000	23 000	70	BU±15°	Coated	O	6
350 watts													
68867	MS350W/V/PS/740 STD	ED37	E39	M131/E	4 000	20 000	37 000	31 000	65	VER±15°	Clear	E	6
57988	MS350W/C/V/PS/737 STD	ED37	E39	M131/E	3 700	20 000	35 000	28 000	70	BU±15°	Coated	E	6
68658	MP350W/V/UVS/PS/740 STD	ED37	EX39	M131/O	4 000	20 000	35 000	28 000	65	VER±15°	Clear	O	6
400 watts													
68647	MS400W/V/ED28/PS/740 STD	ED28	E39	M155/E	4 000	20 000	44 000	35 000	65	VER±15°	Clear	E	12
68645	MS400W/V/PS/740 STD	ED37	E39	M155/E	4 000	20 000	44 000	35 000	65	VER±15°	Clear	E	6
58070	MP400W/C/V/UVS/PS/737 STD	ED37	EX39	M155/O	3 700	20 000	39 000	31 000	70	BU±15°	Coated	O	6
68644	MP400W/V/UVS/PS/740 STD	ED37	EX39	M135/M155/O	4 000	15 000	42 000	33 600	70	VER±15°	Clear	O	6
450 watts													
59140	MS450W/V/PS/740 STD	ED37	E39	M155/E	4 000	20 000	50 000	40 000	65	BU±15°	Clear	E	6
1 000 watts													
61055	MS1000W/BU/ED37/PS/740 STD	ED37	E39	M141/E	4 000	12 000	115 000	86 000	68	BU±15°	Clear	E	6

Metal Halide - Probe Start



MOL.: 5 7/16 in. (138 mm)
Ø 2 1/8 in. (54 mm)
LCL.: 3 3/8 in. (86 mm)

ED17



MOL.: 9 3/4 in. (248 mm)
Ø 1 7/8 in. (47 mm)
LCL.: 5 3/4 in. (146 mm)

T15



MOL.: 8 5/16 in. (211 mm)
Ø 3 1/2 in. (89 mm)
LCL.: 5 in. (127 mm)

ED28



MOL.: 11 1/2 in. (292 mm)
Ø 4 5/8 in. (117.5 mm)
LCL.: 7 in. (178 mm)

ED37



MOL.: 15 13/32 in. (391 mm)
Ø 7 in. (178 mm)
LCL.: 9 1/2 in. (241 mm)

BT56

Order code	Description	Shape	Base	ANSI code	Color temp. (K)	Lumen output (lm)	Mean lumens (lm)	Average life (hrs)	CRI	Operating position	Finish	Luminaire	Case qty (master)
175 watts													
68512	MH175W/U/MED STD	ED17	E26	M57/E	4 000	14 000	9 100	10 000	65	U	Clear	E	12
68516	MH175W/C/U/MED STD	ED17	E26	M57/E	3 700	13 300	8 600	10 000	70	U	Coated	E	12
68501	MH175W/U STD	ED28	E39	M57/E	4 000	14 000	9 100	10 000	65	U	Clear	E	12
68648	MH175W/C/U STD	ED28	E39	M57/E	3 700	13 600	8 800	10 000	70	U	Coated	E	12
250 watts													
68505	MH250W/U STD	ED28	E39	M58/E	4 200	21 000	13 700	10 000	65	U	Clear	E	12
68642	MH250W/C/U STD	ED28	E39	M58/E	3 700	20 000	13 000	10 000	70	U	Coated	E	12
400 watts													
68504	MH400W/U/ED28 STD	ED28	E39	M59/E	4 000	36 000	23 000	20 000	65	U	Clear	E	12
68887	MH400W/C/U/ED28 STD	ED28	E39	M59/E	3 700	34 000	22 000	20 000	70	U	Coated	E	12
68500	MH400W/U STD	ED37	E39	M59/E	4 000	36 000	23 000	20 000	65	U	Clear	E	6
68518	MH400W/C/U STD	ED37	E39	M59/E	3 700	34 000	22 000	20 000	70	U	Coated	E	6
68509	MPI400W/BU STD	ED37	EX39	M59/O	4 000	38 000	30 400	20 000	65	BU±15°	Clear	O	6
68660	MH400W/U/T15 STD	T15	E39	M59/E	4 000	36 000	30 600	10 000	65	U	Clear	E	24
1 000 watts													
68507	MH1000W/U/ED37 STD	ED37	E39	M47/E	4 000	110 000	71 000	12 000	65	U	Clear	E	6
68506	MH1000W/U STD	BT56	E39	M47/E	4 000	110 000	71 000	12 000	65	U	Clear	E	6
1 500 watts													
70168	MH1500W/U STD	BT56	E39	M48/E	4 000	167 000	140 000	5 000	65	U	Clear	E	6

O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures

Metal Halide - Specialty



MOL : 4 1/2 in. (114 mm)
Ø 25/32 in. (20 mm)
LCL : 2 5/16 in. (69 mm)

T6



MOL : 5 3/16 in. (132 mm)
Ø 29/32 in. (23 mm)
LCL : 2 13/16 in. (61 mm)

T7



MOL : 11 1/2 in. (292 mm)
Ø 4 19/25 in. (121 mm)
LCL : 7 in. (178 mm)

ED37

Order code	Description	Shape	Base	ANSI code	Color temp. (K)	Lumen output (lm)	Mean lumens (lm)	Average life (hrs)	CRI	Operating position	Finish	Luminaire	Case qty (master)
70 watts													
68878	MH-DE 70W/UVS/4K STD	T6	R7s	M85/E	4 200	5 500	4 250	12 000	60	HOR±45°	Clear	E	144
68869	MH-DE 70W/UVS/3K STD	T6	R7s	M85/E	3 000	5 500	4 250	6 000	65	HOR±45°	Clear	E	144
150 watts													
68892	MH-DE 150W/UVS/3K STD	T7	R7s	M81/E	3 000	13 500	10 625	10 000	60	HOR±45°	Clear	E	144
360 watts													
68526	MPI360W/BU/EM STD	ED37	EX39	M165/M59/O	4 200	36 000	28 800	20 000	65	BU±15°	Clear	O	6

Ceramic Metal Halide



35W: MOL : 3 15/16 in. (100 mm)
70W: MOL : 3 3/4 in. (96 mm)
Ø 3/4 in. (19 mm)
LCL : 2 7/32 in. (66 mm)

T6



MOL : 3 11/32 in. (85 mm)
LCL : 2 1/16 in. (52 mm)

T4.5

Order code	Description	Shape	Base	Color temp. (K)	Average life (h)	Initial lumens (lm)	Mean lumens (lm)	CRI	Operating position	Finish	Luminaire	Case qty (master)
35 watts												
68875	CMT35/U/830/G12/STD	T6	G12	3 000	10 000	3 400	2 890	80	U	Clear	E	12
69171	CMT35/U/830/G8.5/STD	T4.5	G8.5	3 000	10 000	3 400	2 890	85	U	Clear	E	12
70 watts												
68876	CMT70/U/830/G12/STD	T6	G12	3 000	15 000	7 000	5 950	85	U	Clear	E	12

O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures
Note: Lamp description containing UVS have the UV Stop feature.