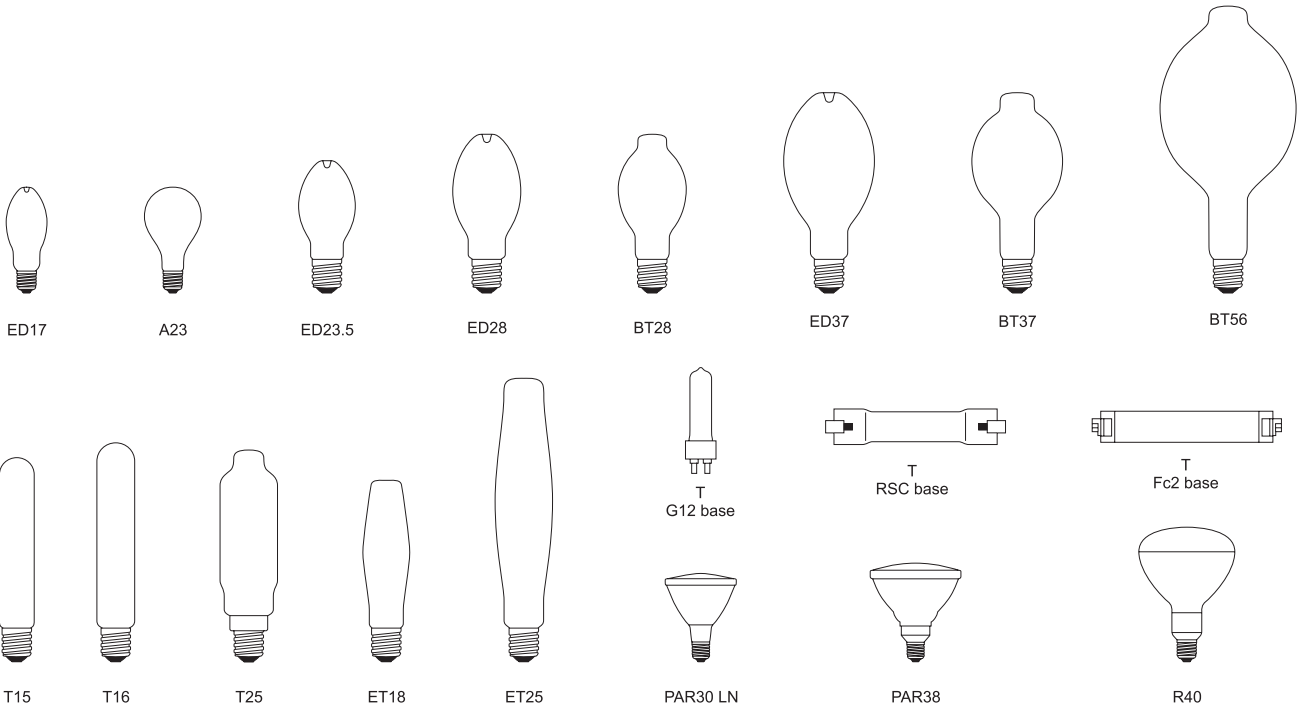
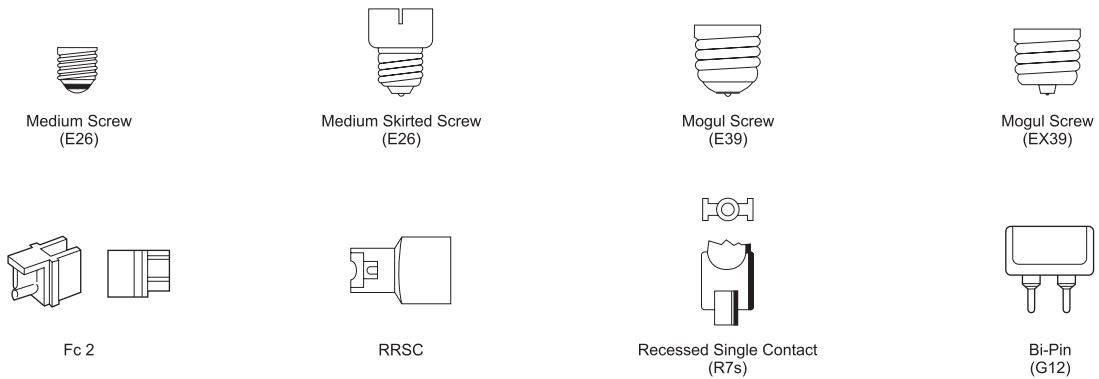


HIGH INTENSITY DISCHARGE

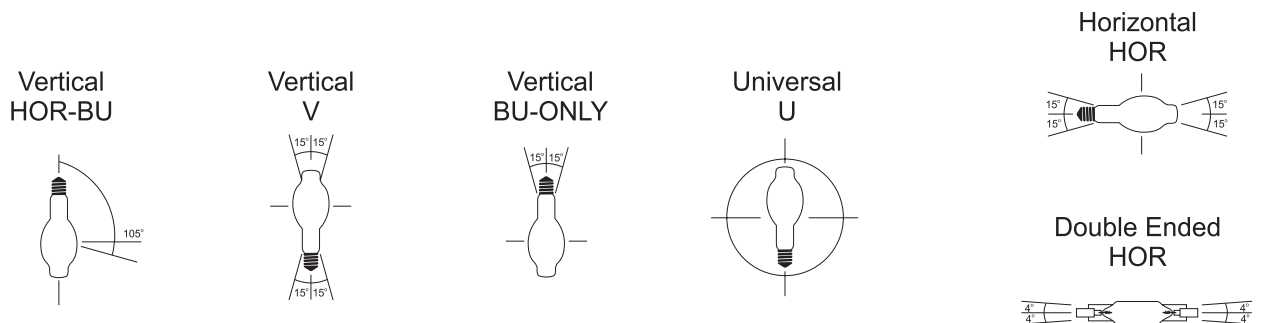
BULBS



BASES



OPERATING POSITIONS



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BALLAST

GERMICIDAL

Product Information							Physical Information			Photometric Characteristics						
Watts	Bulb	Base	Item#	Description	ANSI		Case Qty.	Operating Position	MOL (in)	Initial Lumens (lm)	Beam Angle	CBCP (cd)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
20	MR16	GX10 (GU10)	1200	CMH20MR16/SP/830	C156/0	-	20	Universal	2.55	1200	10°	20000	12000	3000	85	844366012006
20	MR16	GX10 (GU10)	1201	CMH20MR16/FL/830	C156/0	-	20	Universal	2.55	1200	30°	4000	12000	3000	85	844366012013
20	PAR20	E26	1202	CMH20PAR20/SP/830	C156/0	-	12	Universal	3.75	1200	10°	15000	10000	3000	85	844366012020
20	PAR20	E26	1203	CMH20PAR20/FL/830	C156/0	-	12	Universal	3.75	1200	30°	3000	10000	3000	85	844366012037
20	PAR20	E26	1204	CMH20PAR20/SP/842	C156/0	-	12	Universal	3.75	1200	10°	15000	10000	4000	85	844366012044
20	PAR20	E26	1205	CMH20PAR20/FL/842	C156/0	-	12	Universal	3.75	1200	30°	3000	10000	4000	85	844366012051
20	PAR30L	E26	1206	CMH20PAR30L/SP/830	C156/0	-	12	Universal	3.75	1200	10°	4000	10000	3000	85	844366012068
20	PAR30L	E26	1207	CMH20PAR30L/FL/830	C156/0	-	12	Universal	3.75	1200	30°	24000	10000	3000	85	844366012075
35	PAR20	E26	1208	CMH39PAR20/SP/830	M130/0	-	12	Universal	3.75	2000	10°	23000	9000	3000	81	844366012082
35	PAR20	E26	1209	CMH39PAR20/FL/830	M130/0	-	12	Universal	3.75	2000	30°	5000	9000	3000	81	844366012099
35	PAR30L	E26	1210	CMH39PAR30L/SP/830	M130/0	-	6	Universal	4.75	2200	10°	44000	9000	3000	81	844366012105
35	PAR30L	E26	1211	CMH39PAR30L/FL/830	M130/0	-	6	Universal	4.75	2200	30°	7400	9000	3000	81	844366012112
35	PAR30L	E26	1212	CMH39PAR30L/SP/942	M130/0	-	6	Universal	4.75	2200	10°	44000	9000	4000	85	844366012129
35	PAR30L	E26	1213	CMH39PAR30L/FL/942	M130/0	-	6	Universal	4.75	2200	30°	7400	9000	4000	85	844366012136

HIGH INTENSITY DISCHARGE

Ceramic Metal Halide ■■■

Product Information						Physical Information			Photometric Characteristics							
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Operating Position	MOL (in)	Initial Lumens (lm)	Beam Angle	CBCP (cd)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC	
70	PAR30L	E26	1214	CMH70PAR30L/FL/830	M143/0	-	6	Universal	4.75	5000	35°	68000	10000	3000	85	844366012143
70	PAR30L	E26	1214	CMH70PAR30L/SP/830	M143/0	-	6	Universal	4.75	5000	10°	68000	10000	3000	85	844366012143
70	PAR30L	E26	1216	CMH70PAR30L/SP/942	M139/0	-	6	Universal	4.75	5000	10°	63000	9000	4200	90	844366012167
70	PAR30L	E26	1217	CMH70PAR30L/FL/942	M139/0	-	6	Universal	4.75	5000	30°	63000	9000	4200	90	844366012174
70	PAR38	E26	1218	CMH70PAR38/SP/830	M143/0	M98/0	6	Universal	5.44	4100	15°	42000	12500	3000	85	844366012181
70	PAR38	E26	1219	CMH70PAR38/FL/830	M143/0	M98/0	6	Universal	5.44	4100	25°	18000	12500	3000	85	844366012198
70	PAR38	E26	1220	CMH70PAR38/SP/942	M143/0	M98/0	6	Universal	5.44	3700	15°	40000	12500	4000	92	844366012204
70	PAR38	E26	1221	CMH70PAR38/FL/942	M143/0	M98/0	6	Universal	5.44	3700	25°	15000	12500	4000	92	844366012211
100	PAR38	E26	1222	CMH100PAR38/SP/830	M140/0	M90/0	6	Universal	5.44	6200	15°	65000	12500	3000	85	844366012228
100	PAR38	E26	1223	CMH100PAR38/FL/830	M140/0	M90/0	6	Universal	5.44	6200	25°	24000	12500	3000	85	844366012235
100	PAR38	E26	1224	CMH100PAR38/SP/942	M140/0	M90/0	6	Universal	5.44	5700	15°	52000	12500	4000	92	844366012242
100	PAR38	E26	1225	CMH100PAR38/FL/942	M140/0	M90/0	6	Universal	5.44	5700	25°	19000	12500	4000	92	844366012259
150	PAR38	E26	1226	CMH150PAR38/SP/830	M102/0	-	6	Universal	5.44	9100	15°	50000	12000	3000	88	844366012266
150	PAR38	E26	1227	CMH150PAR38/FL/830	M102/0	-	6	Universal	5.44	9100	30°	28000	10000	3000	85	844366012273

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BALLAST

GERMICIDAL

Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
70	ED17	E26	1256	*CMH70/U/ED17/3K	M143/E M98/E	12	Clear	Universal	5.44	3.44	5900	4365	20000	3000	85	844366012563
70	ED17	E26	1257	*CMH70/U/ED17/4K	M143/E M98/E	12	Clear	Universal	5.44	3.44	5800	4060	24000	4000	92	844366012570
100	ED17	E26	1258	*CMH100/U/ED17/3K	M140/E M90/E	12	Clear	Universal	5.44	3.44	8600	6450	20000	3000	85	844366012587
100	ED17	E26	1259	*CMH100/U/ED17/4K	M140/E M90/E	12	Clear	Universal	5.44	3.44	8200	6150	24000	4000	92	844366012594
150	ED17	E26	1260	*CMH150/U/ED17/3K	M142/E M102/E	12	Clear	Universal	5.44	3.44	12900	9545	20000	3000	85	844366012600
150	ED17	E26	1261	*CMH150/U/ED17/4K	M142/E M102/E	12	Clear	Universal	5.44	3.44	12000	9000	24000	4000	92	844366012617
70	ED17P	E26	1228	CMP70/U/ED17/3K	M143/O M98/O	12	Clear	Universal	5.44	3.44	5900	4365	20000	3000	85	844366012280
70	ED17P	E26	1229	CMP70/U/ED17/4K	M143/O M98/O	12	Clear	Universal	5.44	3.44	5800	4060	24000	4000	92	844366012297
100	ED17P	E26	1230	CMP100/U/ED17/3K	M140/O M90/O	12	Clear	Universal	5.44	3.44	8600	6450	20000	3000	85	844366012303
100	ED17P	E26	1231	CMP100/U/ED17/4K	M140/O M90/O	12	Clear	Universal	5.44	3.44	8200	6150	24000	4000	92	844366012310
150	ED17P	E26	1232	CMP150/U/ED17/3K	M142/O M102/O	12	Clear	Universal	5.44	3.44	12900	9545	20000	3000	85	844366012327
150	ED17P	E26	1233	CMP150/U/ED17/4K	M142/O M102/O	12	Clear	Universal	5.44	3.44	12000	9000	24000	4000	92	844366012334

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BALLAST

GERMICIDAL

HIGH INTENSITY DISCHARGE

Ceramic Metal Halide ■■■

Product Information							Physical Information				Photometric Characteristics						
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC	
20	T4	GU6.5	1234	CMH20T4/GU6.5/830	C156/E	-	12	Clear	Universal	2.20	1.18	1750	1480	12000	3000	85	844366012341
20	T4	GU6.5	1235	CMH20T4/GU6.5/842	C156/E	-	12	Clear	Universal	2.20	1.18	1750	1480	12000	4200	85	844366012358
20	T4	G8.5	1236	CMH20T4/G8.5/830	C156/E	-	12	Clear	Universal	3.34	2.00	1750	1480	12000	3000	85	844366012365
20	T4	G8.5	1237	CMH20T4/G8.5/842	C156/E	-	12	Clear	Universal	3.34	2.00	1750	1480	12000	4200	85	844366012372
35	T4	G8.5	1238	CMH39T4/G8.5/830	M130/E	-	12	Clear	Universal	3.34	2.00	3300	2300	10000	3000	81	844366012389
35	T4	G8.5	1239	CMH39T4/G8.5/942	M130/E	-	12	Clear	Universal	3.34	2.00	3300	2640	10000	4000	85	844366012396
70	T4	G8.5	1240	CMH70T4/G8.5/830	M139/E	-	12	Clear	Universal	3.34	2.00	6500	4500	10000	3000	85	844366012402
70	T4	G8.5	1241	CMH70T4/G8.5/942	M139/E	-	12	Clear	Universal	3.34	2.00	6500	5525	10000	4000	90	844366012419
35	T6	G12	1242	CMH39T6/G12/830	M130/E	-	12	Clear	Universal	3.98	2.22	3300	2600	12000	3000	81	844366012426
35	T6	G12	1243	CMH39T6/G12/942	M130/E	-	12	Clear	Universal	3.98	2.22	3300	2800	12000	4000	84	844366012433
70	T6	G12	1244	CMH70T6/G12/830	M139/E	-	12	Clear	Universal	3.98	2.22	6500	4950	12000	3000	85	844366012440
70	T6	G12	1245	CMH70T6/G12/942	M139/E	-	12	Clear	Universal	3.98	2.22	6500	5525	12000	4200	90	844366012457
150	T6	G12	1246	CMH150T6/G12/830	M142/E	-	12	Clear	Universal	3.98	2.22	14000	11900	15000	3200	85	844366012464
150	T6	G12	1247	CMH150T6/G12/942	M142/E	-	12	Clear	Universal	3.98	2.22	13500	11475	15000	4200	90	844366012471
70	TD6	RX7s	1248	CMH70TD/RX7s/830	M139/E	M85/E	12	Clear	Universal	3.93	2.22	6500	5200	15000	3200	85	844366012488
70	TD6	RX7s	1249	CMH70TD/RX7s/842	M139/E	M85/E	12	Clear	Universal	3.93	2.22	6500	5525	15000	4200	90	844366012495
150	TD7	RX7s	1250	CMH150TD/RX7s/830	M142/E	M102/E	12	Clear	Universal	5.43	2.59	13500	11475	15000	3200	85	844366012501
150	TD7	RX7s	1251	CMH150TD/RX7s/842	M142/E	M102/E	12	Clear	Universal	5.43	2.59	13000	11050	15000	4200	90	844366012518

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BALLAST

GERMICIDAL

Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
50	ED17	E26	1000	MH50/ED17/U/4K	M110/E	12	Clear	Universal	5.43	3.39	3400	2200	12000	4200	65	844366010002
50	ED17	E26	1001	MH50/ED17/C/U/4K	M110/E	12	Coated	Universal	5.43	3.39	3200	2100	10000	3800	70	844366010019
70	ED17	E26	1069	*MH70/ED17/U/3K	M98/E	12	Clear	Universal	5.43	3.39	5600	3600	15000	3200	65	844366010699
70	ED17	E26	1070	*MH70/ED17/C/U/3K	M98/E	12	Coated	Universal	5.43	3.39	5300	3400	15000	3200	70	844366010705
70	ED17	E26	1002	MH70/ED17/U/4K	M98/E	12	Clear	Universal	5.43	3.39	5600	3600	15000	4200	65	844366010026
70	ED17	E26	1003	MH70/ED17/C/U/4K	M98/E	12	Coated	Universal	5.43	3.39	5300	3400	15000	3800	70	844366010033
100	ED17	E26	1071	*MH100/ED17/U/3K	M90/E	12	Clear	Universal	5.43	3.39	9000	5900	15000	3200	65	844366010712
100	ED17	E26	1072	*MH100/ED17/C/U/3K	M90/E	12	Coated	Universal	5.43	3.39	8500	5500	15000	3200	70	844366010729
100	ED17	E26	1004	MH100/ED17/U/4K	M90/E	12	Clear	Universal	5.43	3.39	9000	5900	15000	4200	65	844366010040
100	ED17	E26	1005	MH100/ED17/C/U/4K	M90/E	12	Coated	Universal	5.43	3.39	8500	5500	15000	3800	70	844366010057
125	ED17	E26	1638	MS125/ED17/PS/HBU/4K	M150/E	12	Clear	HOR-BU	5.43	3.39	12000	8400	15000	4200	65	844366016387
125	ED17	E26	1639	MS125/ED17/C/PS/HBU/4K	M150/E	12	Coated	HOR-BU	5.43	3.39	11400	8000	15000	3800	70	844366016394
150	ED17	E26	1006	MH150/ED17/U/4K	M102/E	12	Clear	Universal	5.43	3.39	14000	10500	15000	4200	65	844366010064
150	ED17	E26	1007	MH150/ED17/C/U/4K	M102/E	12	Coated	Universal	5.43	3.39	13300	10000	15000	3800	70	844366010071
175	ED17	E26	1655	MS175/ED17/PS/U/4K	M152/E	12	Clear	Universal	5.43	3.39	17000	12500	15000	4200	65	844366016554
175	ED17	E26	1567	MS175/ED17/PS/BU/4K	M152/E	12	Clear	BU ±15°	5.43	3.39	17000	12500	15000	4200	65	844366015670
175	ED17	E26	1568	MS175/ED17/C/PS/BU/4K	M152/E	12	Coated	BU ±15°	5.43	3.39	16000	12000	15000	3800	70	844366015687
175	ED17	E26	1676	MS175/ED17/PS/BU/5K	M152/E	12	Clear	BU ±15°	5.43	3.39	17000	12500	15000	5000	65	844366016769
200	ED17	E26	1669	MS200/ED17/PS/U/4K	M136/E	12	Clear	Universal	5.43	3.39	19000	13500	15000	4200	65	844366016691
200	ED17	E26	1569	MS200/ED17/PS/BU/4K	M136/E	12	Clear	BU ±15°	5.43	3.39	19000	13500	15000	4200	65	844366015694
200	ED17	E26	1570	MS200/ED17/C/PS/BU/4K	M136/E	12	Coated	BU ±15°	5.43	3.39	18000	12800	15000	3900	70	844366015700

HIGH INTENSITY DISCHARGE

Pulse Start Metal Halide ■■■

Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
50	ED28	E39	1010	MH50/ED28/U/4K	M110/E	12	Clear	Universal	8.31	5.00	3400	2000	10000	4200	60	844366010101
70	ED28	E39	1011	MH70/ED28/U/4K	M98/E	12	Clear	Universal	8.31	5.00	5600	4760	15000	4200	65	844366010118
70	ED28	E39	1073	MH70/ED28/C/U/4K	M98/E	12	Coated	Universal	8.31	5.00	5300	4200	15000	3800	70	844366010736
100	ED28	E39	1012	MH100/ED28/U/4K	M90/E	12	Clear	Universal	8.31	5.00	9000	7500	15000	4200	65	844366010125
100	ED28	E39	1074	MH100/ED28/C/U/4K	M90/E	12	Coated	Universal	8.31	5.00	8500	7100	15000	3800	70	844366010743
125	ED28	E39	1640	MS125/ED28/PS/HBU/4K	M150/E	12	Clear	HOR-BU	8.31	5.00	12000	8400	15000	4200	65	844366016400
150	ED28	E39	1013	MH150/ED28/U/4K	M102/E	12	Clear	Universal	8.31	5.00	14000	10500	15000	4200	65	844366010132
150	ED28	E39	1075	MH150/ED28/C/U/4K	M102/E	12	Coated	Universal	8.31	5.00	13300	10000	15000	3800	70	844366010750
175	ED28	E39	1656	MS175/ED28/PS/U/4K	M152/E	12	Clear	Universal	8.31	5.00	17000	12500	15000	4200	65	844366016561
175	ED28	E39	1525	MS175/ED28/PS/BU/4K	M152/E	12	Clear	BU ±15°	8.31	5.00	17000	12500	15000	4200	65	844366015250
175	ED28	E39	1571	MS175/ED28/C/PS/BU/4K	M152/E	12	Coated	BU ±15°	8.31	5.00	16000	12000	15000	3800	70	844366015717
175	T15	E39	1572	MS175/T15/PS/H75/4K	M152/E	24	Clear	HOR ±75°	8.31	5.00	15300	11250	15000	4200	65	844366015724
200	ED28	E39	1672	MS200/ED28/PS/U/4K	M136/E	12	Clear	Universal	8.31	5.00	21000	16000	15000	4200	65	844366016721
200	ED28	E39	1671	MS200/ED28/C/PS/U/4K	M136/E	12	Coated	Universal	8.31	5.00	20000	15000	15000	3800	70	844366016714
200	ED28	E39	1573	MS200/ED28/PS/BU/4K	M136/E	12	Clear	BU ±15°	8.31	5.00	21000	16000	15000	4200	65	844366015731
200	ED28	E39	1574	MS200/ED28/C/PS/BU/4K	M136/E	12	Coated	BU ±15°	8.31	5.00	20000	15000	15000	3800	70	844366015748
200	ED28	E39	1526	MS200/ED28/PS/V/4K	M136/E	12	Clear	VER ±15°	8.31	5.00	21000	16000	15000	4200	65	844366015267
200	ED28	E39	1527	MS200/ED28/C/PS/V/4K	M136/E	12	Coated	VER ±15°	8.31	5.00	20000	15000	15000	3800	70	844366015274
200	T15	E39	1528	MS200/T15/PS/H75/4K	M136/E	24	Clear	HOR ±75°	8.31	5.00	19000	14500	15000	4200	65	844366015281

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GERMICIDAL

Product Information								Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI		Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
250	ED28	E39	1575	MS250/ED28/PS/U/4K	M153/E	M138/E	12	Clear	Universal	8.31	5.00	25000		15000	4200	65	844366015755
250	ED28	E39	1576	MS250/ED28/PS/BU/4K	M153/E	M138/E	12	Clear	BU ±15°	8.31	5.00	25000	20000	15000	4200	65	844366015762
250	ED28	E39	1577	MS250/ED28/C/PS/BU/4K	M153/E	M138/E	12	Coated	BU ±15°	8.31	5.00	23000	19000	15000	3800	70	844366015779
250	ED28	E39	1529	MS250/ED28/PS/V/4K	M153/E	M138/E	12	Clear	VER ±15°	8.31	5.00	25000	20000	15000	4200	65	844366015298
250	ED28	E39	1530	MS250/ED28/C/PS/V/4K	M153/E	M138/E	12	Coated	VER ±15°	8.31	5.00	23000	19000	15000	3800	70	844366015304
250	ED28	E39	1531	MS250/ED28/PS/H75/4K	M153/E	M138/E	12	Clear	HOR ±75°	8.31	5.00	22000	17600	15000	4200	65	844366015311
250	T15	E39	1532	MS250/T15/PS/H75/4K	M153/E	M138/E	24	Clear	HOR ±75°	9.76	5.75	22000	17600	15000	4200	65	844366015328
320	ED28	E39	1578	MS320/ED28/PS/U/4K	M154/E	M132/E	12	Clear	Universal	8.31	5.00	32000		20000	4200	65	844366015786
320	ED28	E39	1659	MS320/ED28/C/PS/U/4K	M154/E	M132/E	12	Coated	Universal	8.31	5.00	31000		20000	3800	70	844366016592
320	ED28	E39	1579	MS320/ED28/PS/HBU/3K	M154/E	M132/E	12	Clear	HOR-BU	8.31	5.00	33000		20000	3200	65	844366015793
320	ED28	E39	1580	MS320/ED28/C/PS/HBU/3K	M154/E	M132/E	12	Coated	HOR-BU	8.31	5.00	31000		20000	3200	70	844366015809
320	ED28	E39	1581	MS320/ED28/PS/HBU/4K	M154/E	M132/E	12	Clear	HOR-BU	8.31	5.00	32000		20000	4200	65	844366015816
320	ED28	E39	1582	MS320/ED28/C/PS/HBU/4K	M154/E	M132/E	12	Coated	HOR-BU	8.31	5.00	31000		20000	3800	70	844366015823
320	ED28	E39	1533	MS320/ED28/PS/V/4K	M154/E	M132/E	12	Clear	VER ±15°	8.31	5.00	33000	26000	20000	4200	65	844366015335
320	ED28	E39	1534	MS320/ED28/C/PS/V/4K	M154/E	M132/E	12	Coated	VER ±15°	8.31	5.00	32000	24800	20000	3800	70	844366015342
320	ED28	E39	1537	MS320/ED28/PS/H75/4K	M154/E	M132/E	12	Clear	HOR ±75°	8.31	5.00	30000	22000	20000	4200	65	844366015373
320	ED28	E39	1538	MS320/ED28/C/PS/H75/4K	M154/E	M132/E	12	Coated	HOR ±75°	8.31	5.00	27000	20000	20000	3800	70	844366015380
320	ED28	E39	1673	MS320/ED28/PS/HBU/5K	M154/E	M132/E	12	Clear	HOR-BU	8.31	5.00	30000	22000	20000	5000	65	844366016738
320	ED37	E39	1535	MS320/ED37/PS/V/4K	M154/E	M132/E	12	Clear	VER ±15°	11.50	7.01	33000	26000	20000	4200	65	844366015359
320	ED37	E39	1536	MS320/ED37/C/PS/V/4K	M154/E	M132/E	12	Coated	VER ±15°	11.50	7.01	32000	24800	20000	3800	70	844366015366
320	T15	E39	1540	MS320/T15/PS/H75/4K	M154/E	M132/E	24	Clear	HOR ±75°	11.50	7.01	31000	24000	20000	4200	65	844366015403

HIGH INTENSITY DISCHARGE

Pulse Start Metal Halide ■■■

Product Information							Physical Information				Photometric Characteristics						
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC	
350	ED28	E39	1583	MS350/ED28/C/PS/BU/3K	M131/E	-	12	Coated	BU ±15°	8.31	5.00	35200	28200	20000	3200	70	844366015830
350	ED28	E39	1584	MS350/ED28/PS/BU/4K	M131/E	-	12	Clear	BU ±15°	8.31	5.00	37000	29000	20000	4200	65	844366015847
350	ED28	E39	1585	MS350/ED28/C/PS/BU/4K	M131/E	-	12	Coated	BU ±15°	8.31	5.00	35200	28200	20000	3800	70	844366015854
350	ED28	E39	1543	MS350/ED28/PS/V/4K	M131/E	-	12	Clear	VER ±15°	8.31	5.00	37000	29600	20000	4200	65	844366015434
350	ED28	E39	1544	MS350/ED28/PS/H75/4K	M131/E	-	12	Clear	HOR ±75°	8.31	5.00	33000	25000	20000	4200	65	844366015441
350	ED37	E39	1586	MS350/ED37/C/PS/BU/3K	M131/E	-	12	Coated	BU ±15°	11.50	7.01	35200	28200	20000	3200	70	844366015861
350	ED37	E39	1657	MS350/ED37/PS/U/4K	M131/E	-	12	Clear	Universal	11.50	7.01	37000	29000	20000	4200	65	844366016578
350	ED37	E39	1587	MS350/ED37/PS/BU/4K	M131/E	-	12	Clear	BU ±15°	11.50	7.01	37000	29600	20000	4200	65	844366015878
350	ED37	E39	1588	MS350/ED37/C/PS/BU/4K	M131/E	-	12	Coated	BU ±15°	11.50	7.01	35200	28200	20000	3800	70	844366015885
350	ED37	E39	1541	MS350/ED37/PS/V/4K	M131/E	-	12	Clear	VER ±15°	11.50	7.01	37000	29600	20000	4200	65	844366015410
350	ED37	E39	1542	MS350/ED37/C/PS/V/4K	M131/E	-	12	Coated	VER ±15°	11.50	7.01	35200	28200	20000	3800	70	844366015427
350	ED37	E39	1679	MS350/ED37/PS/H75/4K	M131/E	-	12	Clear	HOR ±75°	11.50	7.01	33000	25000	20000	4200	65	844366016790
350	ED37	E39	1545	MS350/ED37/C/PS/H75/4K	M131/E	-	12	Coated	HOR ±75°	11.50	7.01	31000	25000	20000	3800	70	844366015458
350	T15	E39	1546	MS350/T15/PS/H75/4K	M131/E	-	24	Clear	HOR ±75°	11.50	7.01	33000	25000	20000	3800	65	844366015465

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Product Information								Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC	
400	ED28	E39	1589	MS400/ED28/PS/U/4K	M155/E	M135/E	12	Clear	Universal	8.31	5.00	39000	27000	20000	4200	65	844366015892
400	ED28	E39	1624	MS400/ED28/C/PS/U/4K	M155/E	M135/E	12	Coated	Universal	8.31	5.00	37000	25700	20000	3800	70	844366016240
400	ED28	E39	1590	MS400/ED28/PS/BU/4K	M155/E	M135/E	12	Clear	BU ±15°	8.31	5.00	44000	35000	20000	4200	65	844366015908
400	ED28	E39	1591	MS400/ED28/C/PS/BU/4K	M155/E	M135/E	12	Coated	BU ±15°	8.31	5.00	42000	33000	20000	3800	70	844366015915
400	ED28	E39	1547	MS400/ED28/PS/V/4K	M155/E	M135/E	12	Clear	VER ±15°	8.31	5.00	44000	35000	20000	4200	65	844366015472
400	ED28	E39	1548	MS400/ED28/C/PS/V/4K	M155/E	M135/E	12	Coated	VER ±15°	8.31	5.00	42000	33000	20000	3800	70	844366015489
400	ED28	E39	1552	MS400/ED28/PS/H75/4K	M155/E	M135/E	12	Clear	HOR ±75°	8.31	5.00	40000	32000	20000	4200	65	844366015526
400	ED28	E39	1553	MS400/ED28/C/PS/H75/4K	M155/E	M135/E	12	Coated	HOR ±75°	8.31	5.00	39000	31000	20000	3800	70	844366015533
400	ED37	E39	1592	MS400/ED37/PS/U/4K	M155/E	M135/E	12	Clear	Universal	11.50	7.01	39000	27000	20000	4200	65	844366015922
400	ED37	E39	1593	MS400/ED37/PS/BU/4K	M155/E	M135/E	12	Clear	BU ±15°	11.50	7.01	42000	29000	20000	4200	65	844366015939
400	ED37	E39	1594	MS400/ED37/C/PS/BU/4K	M155/E	M135/E	12	Coated	BU ±15°	11.50	7.01	42000	29000	20000	3800	70	844366015946
400	ED37	E39	1549	MS400/ED37/PS/V/4K	M155/E	M135/E	12	Clear	VER ±15°	11.50	7.01	42000	31000	20000	4200	65	844366015496
400	ED37	E39	1625	MS400/ED37/C/PS/V/4K	M155/E	M135/E	12	Coated	VER ±15°	11.50	7.01	42000	29000	20000	3800	70	844366016257
400	ED37	E39	1551	MS400/ED37/PS/H75/4K	M155/E	M135/E	12	Clear	HOR ±75°	11.50	7.01	40000	32000	20000	4200	65	844366015519
400	ED37	E39	1550	MS400/ED37/C/PS/H75/4K	M155/E	M135/E	12	Coated	HOR ±75°	11.50	7.01	39000	31000	20000	3800	70	844366015502
400	T15	E39	1653	MS400/T15/PS/H75/4K	M155/E	M135/E	24	Clear	HOR ±75°	11.50	7.01	39000	31000	20000	4200	65	844366016530

HIGH INTENSITY DISCHARGE

Pulse Start Metal Halide ■■■

Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
450	ED37	E39	1677	MS450/ED37/PS/U/4K	M144/E	12	Clear	Universal	11.50	7.01	50000	40000	20000	4200	65	844366016776
450	ED37	E39	1626	MS450/ED37/PS/N/4K	M144/E	12	Clear	VER ±15°	11.50	7.01	50000	40000	20000	4200	65	844366016264
450	ED37	E39	1627	MS450/ED37/C/PS/N/4K	M144/E	12	Coated	VER ±15°	11.50	7.01	47000	37000	20000	3800	70	844366016271
750	BT37	E39	1508	MS750/BT37/PS/HBU/4K	M149/E	12	Clear	BU ±15°	11.50	7.01	80000	60000	16000	4200	65	844366015083
750	BT37	E39	1596	MS750/BT37/C/PS/HBU/4K	M149/E	12	Coated	BU ±15°	11.50	7.01	75000	56000	16000	3800	70	844366015960
875	BT37	E39	1628	MS875/BT37/PS/BU/4K	M166/E	12	Clear	BU ±15°	11.50	7.01	100000	80000	20000	4000	65	844366016288
875	BT37	E39	1629	MS875/BT37/PS/BD/4K	M166/E	12	Clear	BD ±15°	11.50	7.01	100000	80000	20000	4000	65	844366016295
875	BT37	E39	1630	MS875/BT37/PS/HOR/4K	M166/E	12	Clear	HOR ±75°	11.50	7.01	95000	76000	12000	4000	65	844366016301
1000	BT37	E39	1509	MS1000/BT37/PS/U/4K	M141/E	12	Clear	Universal	11.50	7.01	110000	96000	15000	4200	65	844366015090
1000	BT56	E39	1598	MS1000/BT56/PS/BU/4K	M141/E	6	Clear	BU ±15°	15.35	9.49	110000	86000	15000	4200	65	844366015984
1000	BT56	E39	1599	MS1000/BT56/C/PS/BU/4K	M141/E	6	Coated	BU ±15°	15.35	9.49	105000	80000	15000	3800	70	844366015991
1000	T25	E39	1600	MS1000/T25/PS/HOR/3K	M141/E	24	Clear	BU ±15°	0.00	0.00	92000	-	10000			844366016004

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Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
50	ED17	E26	1031	MP50/ED17/U/4K	M110/O	12	Clear	Universal	5.43	3.39	3200	2100	15000	4200	60	844366010316
50	ED17	E26	1032	MP50/ED17/C/U/4K	M110/O	12	Coated	Universal	5.43	3.39	3000	2000	15000	3800	70	844366010323
75	ED17	E26	1033	MP70/ED17/U/4K	M98/O	12	Clear	Universal	5.43	3.39	5300	3400	15000	4200	65	844366010330
75	ED17	E26	1034	MP70/ED17/C/U/4K	M98/O	12	Coated	Universal	5.43	3.39	5000	3300	15000	3800	70	844366010347
100	ED17	E26	1035	MP100/ED17/U/4K	M90/O	12	Clear	Universal	5.43	3.39	8500	5500	15000	4200	65	844366010354
100	ED17	E26	1036	MP100/ED17/C/U/4K	M90/O	12	Coated	Universal	5.43	3.39	8100	5300	15000	3800	70	844366010361
125	ED17	E26	1641	MP125/ED17/PS/BU/4K	M150/O	12	Clear	BU ±15°	5.43	3.39	11400	8000	15000	4200	65	844366016417
125	ED17	E26	1642	MP125/ED17/C/PS/BU/4K	M150/O	12	Coated	BU ±15°	5.43	3.39	10800	7600	15000	3800	70	844366016424
150	ED17	E26	1037	MP150/ED17/U/4K	M102/O	12	Clear	Universal	5.43	3.39	13300	10000	15000	4200	65	844366010378
150	ED17	E26	1038	MP150/ED17/C/U/4K	M102/O	12	Coated	Universal	5.43	3.39	12600	9500	15000	3800	70	844366010385
175	ED17	E26	1601	MP175/ED17/PS/BU/3K	M152/O	12	Clear	BU ±15°	5.43	3.39	17000	12500	10000	3200	65	844366016011
175	ED17	E26	1602	MP175/ED17/C/PS/BU/3K	M152/O	12	Coated	BU ±15°	5.43	3.39	16000	12000	10000	3200	70	844366016028
175	ED17	E26	1603	MP175/ED17/PS/U/4K	M152/O	12	Clear	Universal	5.43	3.39	16000	10800	15000	4200	65	844366016035
175	ED17	E26	1604	MP175/ED17/PS/BU/4K	M152/O	12	Clear	BU ±15°	5.43	3.39	17000	12500	10000	4200	65	844366016042
175	ED17	E26	1605	MP175/ED17/C/PS/BU/4K	M152/O	12	Coated	BU ±15°	5.43	3.39	16000	12000	10000	3800	70	844366016059

HIGH INTENSITY DISCHARGE

Protected Pulse Start Metal Halide ■■■

Product Information							Physical Information				Photometric Characteristics						
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC	
125	ED28	EX39	1643	MP125/ED28/PS/V/4K	M150/0	-	12	Clear	VER ±15°	8.31	5.00	11400	8000	15000	4200	65	844366016431
175	ED28	EX39	1606	MP175/ED28/C/PS/BU/3K	M152/0	-	12	Coated	BU ±15°	8.31	5.00	16000	12000	15000	3200	70	844366016066
175	ED28	EX39	1607	MP175/ED28/PS/BU/4K	M152/0	-	12	Clear	BU ±15°	8.31	5.00	17000	12500	15000	4200	65	844366016073
175	ED28	EX39	1608	MP175/ED28/C/PS/BU/4K	M152/0	-	12	Coated	BU ±15°	8.31	5.00	16000	12000	15000	3800	70	844366016080
200	ED28	EX39	1609	MP200/ED28/C/PS/BU/3K	M136/0	-	12	Coated	BU ±15°	8.31	5.00	19000	15200	15000	3200	70	844366016097
200	ED28	EX39	1610	MP200/ED28/PS/BU/4K	M136/0	-	12	Clear	BU ±15°	8.31	5.00	20000	16000	15000	4200	65	844366016103
200	ED28	EX39	1611	MP200/ED28/C/PS/BU/4K	M136/0	-	12	Coated	BU ±15°	8.31	5.00	19000	15200	15000	3800	70	844366016110
200	ED28	EX39	1556	MP200/ED28/C/PS/V/3K	M136/0	-	12	Coated	VER ±15°	8.31	5.00	19000	15200	15000	3200	70	844366015564
200	ED28	EX39	1554	MP200/ED28/PS/V/4K	M136/0	-	12	Clear	VER ±15°	8.31	5.00	20000	16000	15000	4200	65	844366015540
200	ED28	EX39	1555	MP200/ED28/C/PS/V/4K	M136/0	-	12	Coated	VER ±15°	8.31	5.00	19000	15200	15000	3800	70	844366015557
250	ED28	EX39	1557	MP250/ED28/PS/BU/4K	M153/0	M138/0	12	Clear	BU ±15°	8.31	5.00	23500	19000	15000	4200	65	844366015571
250	ED28	EX39	1612	MP250/ED28/C/PS/BU/4K	M153/0	M138/0	12	Coated	BU ±15°	8.31	5.00	22500	17000	15000	3800	70	844366016127
320	ED28	EX39	1613	MP320/ED28/PS/BU/4K	M154/0	M132/0	12	Clear	BU ±15°	8.31	5.00	31000	25000	20000	4200	65	844366016134
320	ED28	EX39	1614	MP320/ED28/C/PS/BU/4K	M154/0	M132/0	12	Coated	BU ±15°	8.31	5.00	29000	23000	20000	3800	70	844366016141
320	ED37	EX39	1617	MP320/ED37/C/PS/BU/3K	M154/0	M132/0	12	Coated	BU ±15°	11.50	7.01	29000	23000	20000	3200	70	844366016172
320	ED37	EX39	1615	MP320/ED37/PS/BU/4K	M154/0	M132/0	12	Clear	BU ±15°	11.50	7.01	31000	25000	20000	4200	65	844366016158
320	ED37	EX39	1616	MP320/ED37/C/PS/BU/4K	M154/0	M132/0	12	Coated	BU ±15°	11.50	7.01	29000	23000	20000	3800	70	844366016165

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Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
350	ED28	EX39	1649	MP350/ED28/C/PS/BU/3K	M131/0	- 12	Coated	BU ±15°	8.31	5.00	33000	26000	20000	3200	70	844366016493
350	ED28	EX39	1619	MP350/ED28/PS/BU/4K	M131/0	- 12	Clear	BU ±15°	8.31	5.00	35000	28000	20000	4200	65	844366016196
350	ED28	EX39	1620	MP350/ED28/C/PS/BU/4K	M131/0	- 12	Coated	BU ±15°	8.31	5.00	33000	26000	20000	3800	70	844366016202
350	ED28	EX39	1558	MP350/ED28/PS/V/4K	M131/0	- 12	Clear	VER ±15°	8.31	5.00	35000	28000	20000	4200	65	844366015588
350	ED28	EX39	1559	MP350/ED28/C/PS/V/4K	M131/0	- 12	Coated	VER ±15°	8.31	5.00	33000	26000	20000	3800	70	844366015595
350	ED37	EX39	1621	MP350/ED37/C/PS/BU/3K	M131/0	- 12	Coated	BU ±15°	11.50	7.01	33000	26000	20000	3200	70	844366016219
350	ED37	EX39	1622	MP350/ED37/PS/BU/4K	M131/0	- 12	Clear	BU ±15°	11.50	7.01	38000	28000	20000	4200	65	844366016226
350	ED37	EX39	1623	MP350/ED37/C/PS/BU/4K	M131/0	- 12	Coated	BU ±15°	11.50	7.01	33000	26000	20000	3800	70	844366016233
350	ED37	EX39	1562	MP350/ED37/C/PS/V/3K	M131/0	- 12	Coated	VER ±15°	11.50	7.01	33000	26000	20000	3200	70	844366015625
350	ED37	EX39	1560	MP350/ED37/PS/V/4K	M131/0	- 12	Clear	VER ±15°	11.50	7.01	35000	28000	20000	4200	65	844366015601
350	ED37	EX39	1561	MP350/ED37/C/PS/V/4K	M131/0	- 12	Coated	VER ±15°	11.50	7.01	33000	26000	20000	3800	70	844366015618
400	ED28	EX39	1565	MP400/ED28/PS/BU/4K	M155/0 M135/0	12	Clear	BU ±15°	8.31	5.00	42000	33600	20000	4200	65	844366015656
400	ED28	EX39	1566	MP400/ED28/C/PS/BU/4K	M155/0 M135/0	12	Coated	BU ±15°	8.31	5.00	40000	32000	20000	3800	70	844366015663
400	ED37	EX39	1563	MP400/ED37/PS/BU/4K	M155/0 M135/0	12	Clear	BU ±15°	11.50	7.01	42000	33600	20000	4200	65	844366015632
400	ED37	EX39	1564	MP400/ED37/C/PS/BU/4K	M155/0 M135/0	12	Coated	BU ±15°	11.50	7.01	40000	32000	20000	3800	70	844366015649
450	ED37	EX39	1631	MP450/ED37/PS/BU/4K	M144/0	- 12	Clear	BU ±15°	11.50	7.01	47000	37000	20000	4200	65	844366016318
450	ED37	EX39	1632	MP450/ED37/C/PS/BU/4K	M144/0	- 12	Coated	BU ±15°	11.50	7.01	45000	36000	20000	3800	70	844366016325
575	BT37	EX39	1674	MP575/BT37/C/PS/BU/4K	M178/0	- 12	Coated	BU ±15°	11.50	7.01	57000	45000	20000	3800	70	844366016745
575	BT37	EX39	1633	MP575/BT37/PS/V/4K	M178/0	- 12	Clear	VER ±15°	11.50	7.01	60000	48000	20000	4200	65	844366016332
575	BT37	EX39	1634	MP575/BT37/C/PS/V/4K	M178/0	- 12	Coated	VER ±15°	11.50	7.01	57000	45000	20000	3800	70	844366016349
575	T25	EX39	1678	MP575/T25/PS/H75/4K	M178/0	- 24	Clear	HOR ±75°	11.50	7.01	55000	41250	20000	4200	65	844366016783
875	BT37	EX39	1635	MP875/BT37/PS/BU/4K	M166/0	- 12	Clear	BU ±15°	11.50	7.01	95000	76000	20000	4200	65	844366016356
875	BT37	EX39	1636	MP875/BT37/C/PS/BU/4K	M166/0	- 12	Coated	BU ±15°	11.50	7.01	90000	72000	20000	3800	70	844366016363
1000	BT37	EX39	1637	MP1000/BT37/PS/BU/4K	M141/0	- 12	Clear	BU ±15°	11.50	7.01	105000	80000	20000	4200	65	844366016370
1000	BT56	EX39	1524	MP1000/BT56/PS/BU/4K	M141/0	- 6	Clear	BU ±15°	15.43	7.13	105000	80000	12000	4200	65	844366015243

HIGH INTENSITY DISCHARGE

Standard Metal Halide ■■■

Product Information							Physical Information				Photometric Characteristics						
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC	
175	ED17	E26	1008	MH175/ED17/U/4K	M57/E	-	12	Clear	Universal	5.43	3.39	14000	9100	10000	4200	65	844366010088
175	ED17	E26	1009	MH175/ED17/C/U/4K	M57/E	-	12	Coated	Universal	5.43	3.39	13300	8600	10000	3800	70	844366010095
175	ED28	E39	1014	MH175/ED28/U/4K	M57/E	-	12	Clear	Universal	8.31	5.00	14000	9100	10000	4200	65	844366010149
175	ED28	E39	1015	MH175/ED28/C/U/4K	M57/E	-	12	Coated	Universal	8.31	5.00	13600	8800	10000	3800	70	844366010156
175	T15	E39	1016	MH175/T15/HOR/4K	M57/E	-	24	Clear	HOR ±15°	8.31	5.00	14000	9100	10000	4200	65	844366010163
250	ED28	E39	1017	MH250/ED28/U/4K	M58/E	-	12	Clear	Universal	8.31	5.00	22000	17000	10000	4200	65	844366010170
250	ED28	E39	1018	MH250/ED28/C/U/4K	M58/E	-	12	Coated	Universal	8.31	5.00	21500	17000	10000	3800	70	844366010187
250	T15	E39	1019	MH250/T15/HOR/4K	M58/E	-	24	Clear	HOR ±15°	8.31	5.00	20000	14100	10000	4200	65	844366010194
250	ET18	E39	1020	MH250/ET18/HOR/4K	M58/E	-	24	Clear	HOR ±15°	9.72	5.75	20000	13500	10000	4200	65	844366010200
360	ED28	E39	1150	MS360/ED28/ES/U/4K	M59/E	M165/E	12	Clear	Universal	8.31	5.00	36000	23500	20000	4200	65	844366011504
360	ED37	E39	1021	MS360/ED37/ES/U/4K	M59/E	M165/E	12	Clear	Universal	11.50	7.01	36000	23500	20000	4200	65	844366010217
400	ED28	E39	1022	MH400/ED28/U/4K	M59/E	-	12	Clear	Universal	8.31	5.00	36000	23500	20000	4200	65	844366010224
400	ED28	E39	1023	MH400/ED28/C/U/4K	M59/E	-	12	Coated	Universal	8.31	5.00	34000	22000	20000	3800	70	844366010231
400	ED37	E39	1024	MH400/ED37/U/4K	M59/E	-	12	Clear	Universal	11.50	7.01	36000	23500	20000	4200	65	844366010248
400	ED37	E39	1025	MH400/ED37/C/U/4K	M59/E	-	12	Coated	Universal	11.50	7.01	34000	22000	20000	3800	70	844366010255
400	BT37	E39	2414	MS400/BT37/HOR/4K	M59/E	-	12	Clear	HOR ±15°	11.50	7.01	36000	23500	20000	4200	65	844366024146
400	T15	E39	1026	MH400/T15/HOR/4K	M59/E	-	24	Clear	HOR ±15°	9.76	5.75	36000	23500	15000	4200	65	844366010262
400	ET18	E39	1027	MH400/ET18/HOR/4K	M59/E	-	12	Clear	HOR ±15°	9.72	5.75	33000	21500	15000	4200	65	844366010279
1000	BT37	E39	1028	MH1000/BT37/U/4K	M47/E	-	12	Clear	Universal	11.50	7.01	110000	93500	15000	4200	65	844366010286
1000	BT56	E39	1029	MH1000/BT56/U/4K	M47/E	-	6	Coated	Universal	15.43	7.13	110000	93500	15000	4200	65	844366010293
1000	BT56	E39	1076	MH1000/BT56/C/U/4K	M47/E	-	6	Clear	Universal	15.43	7.13	107000	8000	15000	3800	70	844366010767
1500	BT56	E39	1030	MH1500/BT56/HBU/4K	M48/E	-	6	Clear	HOR-BU	15.43	7.13	167000	140000	3000	4200	65	844366010309

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Standard Metal Halide

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Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
70	T6	RX7s	1045	MHDE70/UVS/3K	M85/E	12	Clear	HOR ±15°	4.63	2.24	5500	4250	12000	3200	65	844366010453
70	T6	RX7s	1046	MHDE70/UVS/4K	M85/E	12	Clear	HOR ±15°	4.63	2.24	5500	4250	12000	4200	60	844366010460
70	T6	RX7s	1081	MHDE70/UVS/5K	M85/E	12	Clear	HOR ±15°	4.63	2.24	4600	3900	12000	5200	70	844366010811
100	T6	RX7s	1082	MHDE100/UVS/3K	M90/E	12	Clear	HOR ±15°	4.63	2.24	8500	7500	12000	3200	65	844366010828
100	T6	RX7s	1066	MHDE100/UVS/4K	M90/E	12	Clear	HOR ±15°	4.63	2.24	8500	7500	12000	4200	60	844366010668
100	T6	RX7s	1083	MHDE100/UVS/5K	M90/E	12	Clear	HOR ±15°	4.63	2.24	8000	6800	12000	5200	70	844366010835
150	T7	RX7s	1047	MHDE150/UVS/3K	M81/E	12	Clear	HOR ±15°	5.33	2.60	13500	10625	12000	3200	65	844366010477
150	T7	RX7s	1048	MHDE150/UVS/4K	M81/E	12	Clear	HOR ±15°	5.33	2.60	13500	10625	12000	4200	60	844366010484
150	T7	RX7s	1084	MHDE150/UVS/5K	M81/E	12	Clear	HOR ±15°	5.33	2.60	10000	8500	12000	5200	70	844366010842
250	T9.5	Fc2	1085	MHDE250/UVS/4K	M80/E	12	Clear	HOR ±15°	5.33	2.60	20000	17000	10000	4200	60	844366010859
400	T9.5	Fc2	1086	MHDE400/UVS/4K	M59/E	12	Clear	HOR ±15°	5.33	2.60	28000	23800	10000	4200	60	844366010866
70	T7.5	G12	1087	MH70/G12/UVS/3K	M85/E	12	Clear	Universal	5.33	2.60	6000	5100	9000	3200	65	844366010873
70	T7.5	G12	1049	MH70/G12/UVS/4K	M85/E	12	Clear	Universal	5.33	2.60	6000	5100	9000	4200	65	844366010491
100	T7.5	G12	1088	MH100/G12/UVS/3K	M90/E	12	Clear	Universal	5.33	2.60	9000	7650	9000	3200	65	844366010880
100	T7.5	G12	1050	MH100/G12/UVS/4K	M90/E	12	Clear	Universal	5.33	2.60	9000	7650	9000	4200	65	844366010507
150	T7.5	G12	1089	MH150/G12/UVS/3K	M81/E	12	Clear	Universal	5.33	2.60	14000	9000	9000	3200	65	844366010897
150	T7.5	G12	1051	MH150/G12/UVS/4K	M81/E	12	Clear	Universal	5.33	2.60	14000	9000	9000	4200	65	844366010514

HIGH INTENSITY DISCHARGE

Protected Standard Metal Halide ■■■

Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
175	ED17	E26	1039	MP175/ED17/U/4K	M57/0	12	Clear	Universal	5.43	3.39	14400	9300	10000	4200	65	844366010392
175	ED17	E26	1077	MP175/ED17/C/U/4K	M57/0	12	Coated	Universal	5.43	3.39	12800	8400	10000	3800	70	844366010774
175	BT28	EX39	1040	MP175/BT28/BU/4K	M57/0	12	Clear	BU ±15°	8.31	5.00	14400	10200	10000	4200	65	844366010408
175	BT28	EX39	1078	MP175/BT28/C/BU/4K	M57/0	12	Coated	BU ±15°	8.31	5.00	12800	7800	10000	3800	70	844366010781
250	BT28	EX39	1041	MP250/BT28/BU/4K	M58/0	12	Clear	BU ±15°	8.31	5.00	23000	17000	10000	4200	65	844366010415
250	BT28	EX39	1079	MP250/BT28/C/BU/4K	M58/0	12	Coated	BU ±15°	8.31	5.00	20000	14300	10000	3800	70	844366010798
400	BT37	EX39	1042	MP400/BT37/BU/4K	M59/0	12	Clear	BU ±15°	11.50	7.01	38500	25000	20000	4200	65	844366010422
400	BT37	EX39	1080	MP400/BT37/C/BU/4K	M59/0	12	Coated	BU ±15°	11.50	7.01	38500	25000	20000	3800	70	844366010804
1000	BT56	EX39	1044	MP1000/BT56/BU/4K	M47/0	6	Clear	BU ±15°	15.43	7.13	100000	80000	12000	4200	65	844366010446

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Product Information							Physical Information				Photometric Characteristics			
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Wave-length	Satura-tion%	Avg. Life (Hrs)	UPC
175	ED28	E39	1090	MH175/ED28/BU/BDX	M57/E	12	Clear	BU±15°	8.31	5.00	450	77	5000	844366010903
175	ED28	E39	1091	MH175/ED28/BU/GDX	M57/E	12	Clear	BU±15°	8.31	5.00	535	46	5000	844366010910
175	ED28	E39	1092	MH175/ED28/BU/RDX	M57/E	12	Clear	BU±15°	8.31	5.00	590	70	5000	844366010927
250	ED28	E39	1093	MH250/ED28/BU/BDX	M58/E	12	Clear	BU±15°	8.31	5.00	450	77	5000	844366010934
250	ED28	E39	1094	MH250/ED28/BU/GDX	M58/E	12	Clear	BU±15°	8.31	5.00	535	46	5000	844366010941
250	ED28	E39	1095	MH250/ED28/BU/RDX	M58/E	12	Clear	BU±15°	8.31	5.00	590	70	5000	844366010958
400	ED37	E39	1052	MH400/ED37/U/BDX	M59/E	12	Clear	Universal	11.50	7.01	450	77	5000	844366010521
400	ED37	E39	1053	MH400/ED37/U/GDX	M59/E	12	Clear	Universal	11.50	7.01	535	46	5000	844366010538
400	ED37	E39	1054	MH400/ED37/U/RDX	M59/E	12	Clear	Universal	11.50	7.01	590	70	5000	844366010545
1000	BT56	E39	1055	MH1000/BT56/BU/BDX	M47/E	6	Clear	BU ±15°	15.35	9.49	450	77	5000	844366010552
1000	BT56	E39	1056	MH1000/BT56/BU/GDX	M47/E	6	Clear	BU ±15°	15.35	9.49	535	46	5000	844366010569
1000	BT56	E39	1057	MH1000/BT56/BU/RDX	M47/E	6	Clear	BU ±15°	15.35	9.49	590	70	5000	844366010576
70	T6	RX7s	1096	MHDE70/UVS/BDX	M85/E	12	Clear	HOR ±15°	4.63	2.24	450	77	5000	844366010965
70	T6	RX7s	1097	MHDE70/UVS/GDX	M85/E	12	Clear	HOR ±15°	4.63	2.24	535	46	5000	844366010972
70	T6	RX7s	1098	MHDE70/UVS/RDX	M85/E	12	Clear	HOR ±15°	4.63	2.24	590	70	5000	844366010989
150	T7	RX7s	1099	MHDE150/UVS/BDX	M81/E	12	Clear	HOR ±15°	5.33	2.60	450	77	5000	844366010996
150	T7	RX7s	1100	MHDE150/UVS/GDX	M81/E	12	Clear	HOR ±15°	5.33	2.60	535	46	5000	844366011009
150	T7	RX7s	1101	MHDE150/UVS/RDX	M81/E	12	Clear	HOR ±15°	5.33	2.60	590	70	5000	844366011016

HIGH INTENSITY DISCHARGE

Metal Halide for Aquarium ■■■

Product Information							Physical Information				Photometric Characteristics						
Watts	Bulb	Base	Item#	Description	ANSI	ANSI 2	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
70	T6	RX7s	1140	MHDE70/UVS/10K	M85/E		12	Clear	HOR ±15°	4.63		3100		6000	10000	75	844366011405
70	T6	RX7s	1141	MHDE70/UVS/20K	M85/E		12	Clear	HOR ±15°	4.63		3100		6000	20000	75	844366011412
150	T7	RX7s	1142	MHDE150/UVS/10K	M81/E		12	Clear	HOR ±15°	5.33		7000		6000	10000	85	844366011429
150	T7	RX7s	1143	MHDE150/UVS/14K	M81/E		12	Clear	HOR ±15°	5.33		7000		6000	14000	65	844366011436
150	T7	RX7s	1144	MHDE150/UVS/20K	M81/E		12	Clear	HOR ±15°	5.33		7000		6000	20000	75	844366011443
175	T15	E39	2400	MH175/T15/HOR/10K	M57/E		24	Clear	HOR ±15°	5.00	5.00	7500		6000	10000	85	844366024009
175	T15	E39	2401	MH175/T15/HOR/14K	M57/E		24	Clear	HOR ±15°	5.00	5.00	7500		6000	14000		844366024016
175	T15	E39	2402	MH175/T15/HOR/20K	M57/E		24	Clear	HOR ±15°	5.00	5.00	7500		6000	20000		844366024023
250	T9.5	Fc2	2409	MHDE250/UVS/10K	M80/E		12	Clear	HOR ±15°	6.40	0.00	11000		6000	10000	85	844366024092
250	T9.5	Fc2	2410	MHDE250/UVS/14K	M80/E		12	Clear	HOR ±15°	6.40	0.00	11000		6000	14000	65	844366024108
250	T9.5	Fc2	2411	MHDE250/UVS/20K	M80/E		12	Clear	HOR ±15°	6.40	0.00	11000		6000	20000	75	844366024115
250	T15	E39	2403	MH250/T15/HOR/10K	M58/E		24	Clear	HOR ±15°	8.31	5.00	10500		8000	10000	85	844366024030
250	T15	E39	2404	MH250/T15/HOR/14K	M58/E		24	Clear	HOR ±15°	8.31	5.00	10500		8000	14000		844366024047
250	T15	E39	2405	MH250/T15/HOR/20K	M58/E		24	Clear	HOR ±15°	8.31	5.00	10500		8000	20000		844366024054
400	T15	E39	2406	MH400/T15/HOR/10K	M59/E		24	Clear	HOR ±15°	9.76	5.75	18500		8000	10000	85	844366024061
400	T15	E39	2407	MH400/T15/HOR/14K	M59/E		24	Clear	HOR ±15°	9.76	5.75	18500		8000	14000		844366024078
400	T15	E39	2408	MH400/T15/HOR/20K	M59/E		24	Clear	HOR ±15°	9.76	5.75	18500		8000	20000		844366024085
400	ET18	E39	2412	MH400/ET18/HOR/10K	M59/E		24	Clear	HOR ±15°	9.65	5.70	18500		8000	10000	85	844366024122
1000	ET25	E39	2413	MH1000/ET25/HOR/10K	M47/E		12	Clear	HOR ±15°	15.06	8.75	46000		3000	10000	85	844366024139

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Product Information							Physical Information			Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	Beam Angle	CBCP (cd)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
70	R40	E26	1058	MH70/R40/C/U/70°	M98/E	12	Coated	Universal	7.48	-	2300	10000	4000	60	844366010583
100	R40	E26	1059	MH100/R40/C/U/70°	M90/E	12	Coated	Universal	7.48	-	3300	10000	4000	60	844366010590
150	R40	E26	1105	MH150/R40/C/U/70°	M102/E	12	Coated	Universal	7.48	-	5200	10000	4000	60	844366011054
175	R40	E26	1060	MH175/R40/C/U/70°	M57/E	12	Coated	Universal	7.48	-	6500	10000	4000	60	844366010606
70	PAR30LN	E26	1067	MH70/PAR30LN/FL/3K	M98/E	12	Clear	Universal	4.72	50°	-	6000	3200	60	844366010675
70	PAR30LN	E26	1068	MH70/PAR30LN/FL/4K	M98/E	12	Clear	Universal	4.72	50°	-	6000	4200	60	844366010682
70	PAR38	E26	1061	MH70/PAR38/U/FL/3K	M98/E	12	Clear	Universal	5.35	60°	-	6000	3200	60	844366010613
70	PAR38	E26	1062	MH70/PAR38/U/FL/4K	M98/E	12	Clear	Universal	5.35	60°	-	6000	4200	60	844366010620
100	PAR38	E26	1063	MH100/PAR38/U/FL/3K	M90/E	12	Clear	Universal	5.35	60°	-	6000	3200	60	844366010637
100	PAR38	E26	1064	MH100/PAR38/U/SP/4K	M90/E	12	Clear	Universal	5.35	20°	-	6000	4200	60	844366010644
100	PAR38	E26	1065	MH100/PAR38/U/FL/4K	M90/E	12	Clear	Universal	5.35	50°	-	6000	4200	60	844366010651

HIGH INTENSITY DISCHARGE

Metal Halide Retrofit for HPS Ballast ■■■

Product Information							Physical Information				Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	Operating Position	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
250	ED28	E39	1124	MH250/ED28/U/LU	S50/E	12	Clear	Universal	8.31	5.00	19100	14300	10000	4200	65	844366011245
250	ED28	E39	1125	MH250/ED28/C/U/LU	S50/E	12	Coated	Universal	8.31	5.00	18100	13600	10000	4000	70	844366011252
400	ED28	E39	1126	MH400/ED28/U/LU	S51/E	12	Clear	Universal	8.31	5.00	36600	27200	10000	4200	65	844366011269
400	ED28	E39	1127	MH400/ED28/C/U/LU	S51/E	12	Coated	Universal	8.31	5.00	34800	25900	20000	4000	70	844366011276
400	ED37	E39	1128	MH400/ED37/U/LU	S51/E	12	Clear	Universal	11.50	5.91	36600	27300	20000	4200	65	844366011283
400	ED37	E39	1129	MH400/ED37/C/U/LU	S51/E	12	Coated	Universal	11.50	5.91	34800	25900	20000	4000	70	844366011290
1000	BT56	E39	1130	MH1000/BT56/U/LU	S52/E	6	Clear	Universal	15.43	9.49	110200	85500	20000	4200	65	844366011306
1000	BT56	E39	1131	MH1000/BT56/C/U/LU	S52/E	6	Coated	Universal	15.43	9.49	104700	81200	12000	4000	70	844366011313

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BALLAST

GERMICIDAL

Product Information							Physical Information			Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
35	ED17	E26	2000	LU35/ED17	S76	12	Clear	5.43	3.43	2050	2050	16000+	2000	22	844366020001
35	ED17	E26	2016	LU35/D/ED17	S76	12	Diffuse	5.43	3.43	2100	1935	16000+	2000	22	844366020162
50	ED17	E26	2001	LU50/ED17	S68	12	Clear	5.43	3.43	4000	3600	24000+	2000	22	844366020018
50	ED17	E26	2017	LU50/D/ED17	S68	12	Diffuse	5.43	3.43	3700	3420	24000+	2000	22	844366020179
70	ED17	E26	2002	LU70/ED17	S62	12	Clear	5.43	3.43	6300	5350	24000+	2000	22	844366020025
70	ED17	E26	2018	LU70/D/ED17	S62	12	Diffuse	5.43	3.43	5800	4900	24000+	2000	22	844366020186
100	ED17	E26	2003	LU100/ED17	S54	12	Clear	5.43	3.43	9500	8000	24000+	2000	22	844366020032
100	ED17	E26	2019	LU100/D/ED17	S54	12	Diffuse	5.43	3.43	8800	7500	24000+	2000	22	844366020193
150	ED17	E26	2004	LU150/ED17	S55	12	Clear	5.43	3.43	15800	13400	24000+	2000	22	844366020049
150	ED17	E26	2020	LU150/D/ED17	S55	12	Diffuse	5.43	3.43	14500	12300	24000+	2000	22	844366020209

HIGH INTENSITY DISCHARGE

High Pressure Sodium ■■■

Product Information							Physical Information			Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
50	ED23.5	E39	2021	LU50/ED23.5	S68	12	Clear	7.75	5.00	4000	3600	24000+	2000	22	844366020216
50	ED23.5	E39	2022	LU50/D/ED23.5	S68	12	Diffuse	7.75	5.00	3700	3420	24000+	2000	22	844366020223
70	ED23.5	E39	2005	LU70/ED23.5	S62	12	Clear	7.75	5.00	6300	5500	24000+	2000	22	844366020056
70	ED23.5	E39	2023	LU70/D/ED23.5	S62	12	Diffuse	7.75	5.00	5500	4900	24000+	2000	22	844366020230
100	ED23.5	E39	2006	LU100/ED23.5	S54	12	Clear	7.75	5.00	9500	8000	24000+	2000	22	844366020063
100	ED23.5	E39	2024	LU100/D/ED23.5	S54	12	Diffuse	7.75	5.00	8800	7500	24000+	2000	22	844366020247
150	ED23.5	E39	2007	LU150/55/ED23.5	S55	12	Clear	7.75	5.00	16000	13800	24000+	2000	22	844366020070
150	ED23.5	E39	2025	LU150/55/D/ED23.5	S55	12	Diffuse	7.75	5.00	14000	12500	24000+	2000	22	844366020254
150	ED28	E39	2026	LU150/100/ED28	S56	12	Clear	8.31	5.00	15700	14100	24000+	2000	22	844366020261
200	ET18	E39	2015	LU200/ET18	S66	24	Clear	9.65	5.70	22000	19800	24000+	2000	22	844366020155
250	ET18	E39	2009	LU250/ET18	S50	24	Clear	9.65	5.70	29000	26100	24000+	2000	22	844366020094
250	ET18	E39	2027	LU250/D/ET28	S50	12	Diffuse	9.00	5.00	26000	23400	24000+	2000	22	844366020278
310	ET18	E39	2028	LU310/ET18	S67	24	Clear	9.65	5.70	37000	33300	24000+	2000	22	844366020285
400	ET18	E39	2010	LU400/ET18	S51	24	Clear	9.65	5.70	50000	45000	24000+	2000	22	844366020100
400	ED37	E39	2029	LU400/D/ED37	S51	12	Diffuse	11.31	7.00	47500	40000	24000+	2000	22	844366020292
600	T15	E39	2011	LU600/T15	S106	24	Clear	11.06	6.62	90000	81000	24000+	2000	22	844366020117
750	BT37	E39	2030	LU750/BT37	S111	12	Clear	11.06	6.62	1050000	94500	24000+	2000	22	844366020308
1000	ET25	E39	2012	LU1000/ET25	S52	12	Clear	15.06	8.75	130000	124000	24000+	2000	22	844366020124
1000	ED37	E39	2013	LU1000/ED37	S52	12	Clear	11.50	7.00	1270000	115000	24000+	2000	22	844366020131

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BALLAST

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■ ■ ■ High Pressure Sodium ECO (TCLP Compliant)

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BALLAST

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Product Information							Physical Information			Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
70	ED23.5	E39	2044	LU70/ED23.5/ECO	S62	12	Clear	7.75	5.00	6300	5500	24000	2000	22	844366020445
100	ED23.5	E39	2045	LU100/ED23.5/ECO	S54	12	Clear	7.75	5.00	9500	8000	24000	2000	22	844366020452
150	ED23.5	E39	2046	LU150/ED23.5/ECO	S55	12	Clear	7.75	5.00	16000	13800	24000	2000	22	844366020469
200	ET18	E39	2049	LU200/ET18/ECO	S66	12	Clear	9.75	5.75	22000	19800	24000	2000	22	844366020490
250	ET18	E39	2047	LU250/ET18/ECO	S50	12	Clear	9.75	5.75	29000	26100	24000	2000	22	844366020476
400	ET18	E39	2048	LU400/ET18/ECO	S51	12	Clear	9.75	5.75	50000	45000	24000	2000	22	844366020483
1000	ET25	E39	2050	LU400/ET25/ECO	S52	12	Clear	15.06	8.75	130000	124000	24000	2000	22	844366020506

HIGH INTENSITY DISCHARGE

Standby HPS/ HPS Retrofit ■■■

*Items only available for special orders

Product Information							Physical Information			Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	ANSI	Case Qty.	Finish	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
Standby High Pressure Sodium Lamps															
70	ED23.5	E39	2031	* LU70/E/SB	S62	12	Clear	7.75	5.00	6050	4950	40000	2000	22	844366020315
100	ED23.5	E39	2032	* LU100/E/SB	S54	12	Clear	7.75	5.00	9500	7600	40000	2000	22	844366020322
150	ED23.5	E39	2033	* LU150/E/SB	S55	12	Clear	7.75	5.00	15700	12100	40000	2000	22	844366020339
200	ET18	E39	2034	* LU200/E/SB	S66	24	Clear	9.65	5.70	21500	18000	40000	2000	22	844366020346
250	ET18	E39	2035	* LU250/E/SB	S50	24	Clear	9.65	5.70	27500	23200	40000	2000	22	844366020353
400	ET18	E39	2036	* LU400/E/SB	S51	24	Clear	9.65	5.70	47500	40000	40000	2000	22	844366020360
1000	ET25	E39	2037	* LU1000/E/SB	S52	12	Clear	15.06	8.75	127000	115000	24000+	2000	22	844366020377
High Pressure Sodium Lamps - Mercury Retrofit															
150	ED28	E39	2038	* LU150/ED28/Retro	H39	12	Clear	9.00	5.00	11800	10600	24000	1900	20	844366020384
215	ED28	E39	2039	* LU215/ED28/Retro	H37	12	Clear	9.00	5.00	20000	17000	16000	1900	20	844366020391
360	BT37	E39	2014	* LU360/BT37/Retro	H33	12	Clear	11.31	7.00	36500	32800	16000	2100	20	844366020148
220	ED38	E39	2050	* LU220/ED28/Retro	M58	12	Clear	9.00	5.00	17000	-	24000	1900	20	844366020506
360	ED37	E39	2051	* LU360/ED37/Retro	M59	12	Clear	11.31	7.00	32000	-	16000	1900	20	844366020513
940	ET25	E39	2052	* LU940/ET25/Retro	M47	12	Clear	15.06	8.75	91000	-	16000	2100	20	844366020520

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Product Information								Physical Information			Photometric Characteristics					UPC
Watts	Bulb	Base	Item#	Description	Generic Designation	ANSI	Case Qty.	Finish	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
50	ED17	E26	2312	*MV50/DX/46/ED17	H46DL-40-50/DX	H46	12	Deluxe Coated	5.43	3.50	1580	1300	24000+	3900	50	844366023125
75	ED17	E26	2300	MV75/DX/43/ED17	H43AV-75/DX	H43	12	Deluxe Coated	5.43	3.50	2700	2250	24000+	3900	50	844366023002
80	ED17	E26	2311	MV80/DX/ED17	-	H43	12	Deluxe Coated	5.43	3.50	2700	2250	24000+	3900	50	844366023118
80	A23	E26	2309	MV80/DX/A23	-	H43	12	Deluxe Coated	5.43	3.50	2700	2250	24000+	3900	50	844366023095
100	ED17	E26	2301	MV100/DX/38/ED17	H38AV-100/DX	H38	12	Deluxe Coated	5.43	3.50	4000	3560	24000+	3900	50	844366023019
100	A23	E26	2302	MV100/DX/38/A23	H38MP-100/DX	H38	12	Deluxe Coated	5.43	3.50	4000	3400	24000+	3900	50	844366023026
100	ED23.5	E39	2313	*MV100/DX/38/ED23.5	H38JA-100/DX	H38	12	Deluxe Coated	7.50	5.00	4000	3000	24000+	3900	50	844366023132
100	R40	E26	2314	*MV100/DX/38/R40	H38BP-100/DX	H38	12	Deluxe Coated	7.00	5.00	2450	2050	24000+	3900	50	844366023149
175	ED28	E26	2315	*MV175/DX/39/ED28/MED	-	H39	12	Deluxe Coated	8.25	5.00	7800	6800	24000+	3900	50	844366023156
175	ED28	E39	2303	MV175/DX/39/ED28	H39KC-175/DX	H39	12	Deluxe Coated	8.25	5.00	7800	6800	24000+	3900	50	844366023033
175	ED28	E39	2316	*MV175/39/ED28	H39KB-175	H39	12	Clear	8.25	5.00	7800	6800	24000+	6000	20	844366023163
175	R40	E26	2317	*MV175/DX/39/R40/FL	H39BP-175/DX	H39	12	Deluxe Coated	7.00	5.00	5700	4350	24000+	3900	50	844366023170
250	ED28	E39	2304	MV250/DX/37/ED28	H37KC-250/DX	H37	12	Deluxe Coated	8.25	5.00	11200	10800	24000+	3900	50	844366023040
250	ED28	E39	2318	*MV250/37/ED28	H37KB-250	H37	12	Clear	8.25	5.00	11200	10800	24000+	6000	20	844366023187
400	ED28	E39	2305	MV400/DX/33/ED28	-	H33	12	Deluxe Coated	8.25	5.00	22600	14400	24000+	3900	50	844366023057
400	ED37	E39	2306	MV400/DX/33/ED37	H33GL-400/DX	H33	12	Deluxe Coated	11.31	7.00	22600	14400	24000+	3900	50	844366023064
400	ED37	E39	2319	*MV400/33/ED37	H33CD-400	H33	12	Clear	11.31	7.00	22600	14400	24000+	6000	20	844366023194
1000	BT56	E39	2310	MV1000/DX/36/BT56	H36GW-1000/DX	H36	6	Deluxe Coated	15.38	9.50	58000	48500	24000+	3900	50	844366023101
1000	BT56	E39	2320	*MV1000/36/BT56	H36GV-1000	H36	6	Clear	15.38	9.50	58000	48500	24000+	6000	20	844366023200

HIGH INTENSITY DISCHARGE

Self-Ballasted Mercury Vapor ■■■

*Items only available for special orders

Product Information							Physical Information			Photometric Characteristics					
Watts	Bulb	Base	Item#	Description	Voltage (V)	Case Qty.	Finish	MOL (in)	LCL (in)	Initial Lumens (lm)	Mean Lumens (lm)	Avg. Life (Hrs)	Color Temp (K)	CRI	UPC
100	ED23.5	E26	2321	* MV100/DX/SB/ED23.5	120	12	Deluxe Coated	7.75	5.00	1000	700	10000	3200	50	844366023217
160	ED23.5	E26	2307	* MV160/DX/SB/ED23.5	120	12	Deluxe Coated	7.75	5.00	2300	1500	10000	3200	50	844366023071
250	ED28	E26	2322	* MV250/DX/SB/ED28/MED	120	12	Deluxe Coated	8.50	5.18	5000	3700	10000	3200	50	844366023224
250	ED28	E39	2308	* MV250/DX/SB/ED28	120	12	Deluxe Coated	8.50	5.18	5000	3700	10000	3200	50	844366023088
450	ED37	E39	2323	* MV450/DX/SB/ED37	120	12	Deluxe Coated	11.46	7.28	10000	9100	10000	3200	50	844366023231

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Warning ANSI Luminaire Code O Open Fixture

Protected Standard Metal Halide

THE FOLLOWING INSTRUCTIONS MUST BE FOLLOWED TO AVOID RISK OF PERSONAL INJURY, PROPERTY DAMAGE AND POOR LAMP PERFORMANCE.

If the outer bulb is broken or punctured, immediately turn power off and remove lamp after it has cooled. Do not scratch the outer bulb or subject it to pressure as this could cause the outer bulb to crack or shatter.

RUPTURE RISKS:

Metal Halide arc-tubes are designed to operate under high pressure and at temperatures up to 2012 °F, 1100 °C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. An arc-tube rupture can burst and shatter the outer glass bulb resulting in the discharge of glass fragments and extremely hot particles. If such a rupture were to happen, THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.

RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE.

Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

CAUTION:

- Only operate lamp in the specified burning position with compatible electrical equipment.
- The ANSI code on the Plusrite lamp must match the code on the ballast or luminaire.
- Do not look directly at the operating lamp for any period of time. This may cause eye injury.
- Lamp must be turned off for a minimum of 15min. at least once a week.
- Never expose an operating lamp to moisture such as rain, sleet or snow.
- Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.
- Periodically inspect the outer envelope. Replace lamp if scratched, cracked, or damaged.
- Electrically insulate any metal support in contact with the outer bulb to avoid glass decomposition.
- Before Lamp installation/replacement, shut power off and allow lamp and fixture to cool to avoid electrical shock and potential burn hazards
- Install lamp firmly but not forcibly into the socket.
- If an arc tube is broken, avoid skin contact with any of the contents or fragments.
- Do not store combustible or flammable materials directly below the luminaire.
- Do not use this lamp in a fixture that contains a Pulse Start metal halide ballast or in a fixture that is specifically designed for use with Pulse Start metal halide lamps.
- Never install the lamp into an ordinary household socket.
- Safety glasses and gloves should be used when installing or removing HID lamps

LAMP OPERATING CHARACTERISTICS

Lamp requires several minutes to come to full brightness. Time should be allowed for lamps stabilize in color when turned on for the first time. This may require several hours of operation, with more than one start. Color appearance may vary between individual lamps. It is further influenced by variation in the operating conditions and is not an indication of system or lamp failure. Lamp may require 10 to 20 minutes to restart if there is a power interruption.

R WARNING

This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation of outer envelope of the lamp is broken or punctured. Do not sure where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This lamp complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

HG LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws Kr-85

see www.lamprecycle.org or xxx-xxx-xxxx

Plusrite USA. 2000 South Grove Ave Building B Ontario CA 91761 www.plusriteusa.com

MP175/MP250/MP400/MP1000

HIGH INTENSITY DISCHARGE

Warning ANSI Luminaire Code O Open Fixture

Protected Pulse Start Metal Halide

THE FOLLOWING INSTRUCTIONS MUST BE FOLLOWED TO AVOID RISK OF PERSONAL INJURY, PROPERTY DAMAGE AND POOR LAMP PERFORMANCE.

If the outer bulb is broken or punctured, immediately turn power off and remove lamp after it has cooled. Do not scratch the outer bulb or subject it to pressure as this could cause the outer bulb to crack or shatter.

RUPTURE RISKS:

Metal Halide arc-tubes are designed to operate under high pressure and at temperatures up to 2012 °F, 1100 C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. An arc-tube rupture can burst and shatter the outer glass bulb resulting in the discharge of glass fragments and extremely hot particles. If such a rupture were to happen, THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.

RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE.

Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

CAUTION:

- Only operate lamp in the specified burning position with compatible electrical equipment.
- The ANSI code on the Plusrite lamp must match the code on the ballast or luminaire.
- Do not look directly at the operating lamp for any period of time. This may cause eye injury.
- Lamp must be turned off for a minimum of 15min. at least once a week.
- Never expose an operating lamp to moisture such as rain, sleet or snow.
- Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.
- Periodically inspect the outer envelope. Replace lamp if scratched, cracked, or damaged.
- Electrically insulate any metal support in contact with the outer bulb to avoid glass decomposition.
- Before Lamp installation/replacement, shut power off and allow lamp and fixture to cool to avoid electrical shock and potential burn hazards
- Install lamp firmly but not forcibly into the socket.
- If an arc tube is broken, avoid skin contact with any of the contents or fragments.
- Do not store combustible or flammable materials directly below the luminaire.
- Never install the lamp into an ordinary household socket.
- All pulse start lamps require a socket rated to withstand a 4000 volt pulse.
- Safety glasses and gloves should be used when installing or removing HID lamps

LAMP OPERATING CHARACTERISTICS

Lamp requires several minutes to come to full brightness. Time should be allowed for lamps stabilize in color when turned on for the first time. This may require several hours of operation, with more than one start. Color appearance may vary between individual lamps. It is further influenced by variation in the operating conditions and is not an indication of system or lamp failure. Lamp may require 10 to 20 minutes to restart if there is a power interruption.

R WARNING

This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation of outer envelope of the lamp is broken or punctured. Do not sure where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This lamp complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

HG LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws Kr-85
see www.lamprecycle.org or xxx-xxx-xxxx

Plusrite USA. 2000 South Grove Ave Building B Ontario CA 91761 www.plusriteusa.com

MP50/ ED17/MP70/ED17/MP100/ED17/MP150/ED17/MP175/PS – MP1000PS

Warning ANSI Luminaire Code E Enclosed Fixture

Pulse Start Metal Halide

THE FOLLOWING INSTRUCTIONS MUST BE FOLLOWED TO AVOID RISK OF PERSONAL INJURY, PROPERTY DAMAGE AND POOR LAMP PERFORMANCE.

If the outer bulb is broken or punctured, immediately turn power off and remove lamp after it has cooled. Do not scratch the outer bulb or subject it to pressure as this could cause the outer bulb to crack or shatter.

RUPTURE RISKS:

Metal Halide arc-tubes are designed to operate under high pressure and at temperatures up to 2012 °F, 1100 °C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. An arc-tube rupture can burst and shatter the outer glass bulb resulting in the discharge of glass fragments and extremely hot particles. If such a rupture were to happen, THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.

RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE.

Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

CAUTION:

- Only operate lamp in an enclosed fixture capable of withstanding particles of glass having temperatures up to 2012 °F, 1100 °C. If you are uncertain, contact your fixture manufacturer.
- Only operate lamp in the specified burning position with compatible electrical equipment.
- The ANSI code on the Plusrite lamp must match the code on the ballast or luminaire.
- Only operate lamp in an enclosed fixture with ultraviolet absorbing filter glass.
- Do not look directly at the operating lamp for any period of time. This may cause eye injury.
- Lamp must be turned off for a minimum of 15min. at least once a week.
- Never expose an operating lamp to moisture such as rain, sleet or snow.
- Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.
- Periodically inspect the outer envelope. Replace lamp if scratched, cracked, or damaged.
- Electrically insulate any metal support in contact with the outer bulb to avoid glass decomposition.
- Before Lamp installation/replacement, shut power off and allow lamp and fixture to cool to avoid electrical shock and potential burn hazards
- Install lamp firmly but not forcibly into the socket.
- If an arc tube is broken, avoid skin contact with any of the contents or fragments.
- Do not store combustible or flammable materials directly below the luminaire
- Never install the lamp into an ordinary household socket.
- All pulse start lamps require a socket rated to withstand a 4000 volt pulse.
- Safety glasses and gloves should be used when installing or removing HID lamps

LAMP OPERATING CHARACTERISTICS

Lamp requires several minutes to come to full brightness. Time should be allowed for lamps stabilize in color when turned on for the first time. This may require several hours of operation, with more than one start. Color appearance may vary between individual lamps. It is further influenced by variation in the operating conditions and is not an indication of system or lamp failure. Lamp may require 10 to 20 minutes to restart if there is a power interruption.

R WARNING

This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation of outer envelope of the lamp is broken or punctured. Do not sure where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This lamp complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

HG LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws Kr-85

see www.lamprecycle.org or xxx-xxx-xxxx

Plusrite USA. 2000 South Grove Ave Building B Ontario CA 91761 www.plusriteusa.com

MH50-MH150, MS175-MS1000/MSPS

HIGH INTENSITY DISCHARGE

Warning ANSI Luminaire Code E Enclosed Fixture

Standard Metal Halide

THE FOLLOWING INSTRUCTIONS MUST BE FOLLOWED TO AVOID RISK OF PERSONAL INJURY, PROPERTY DAMAGE AND POOR LAMP PERFORMANCE.

If the outer bulb is broken or punctured, immediately turn power off and remove lamp after it has cooled. Do not scratch the outer bulb or subject it to pressure as this could cause the outer bulb to crack or shatter.

RUPTURE RISKS:

Metal Halide arc-tubes are designed to operate under high pressure and at temperatures up to 2012 °F, 1100 °C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. An arc-tube rupture can burst and shatter the outer glass bulb resulting in the discharge of glass fragments and extremely hot particles. If such a rupture were to happen, THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.

RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE.

Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

CAUTION:

- Only operate lamp in an enclosed fixture capable of withstanding particles of glass having temperatures up to 2012 °F, 1100 °C. If you are uncertain, contact your fixture manufacturer.
- Only operate lamp in the specified burning position with compatible electrical equipment. The ANSI code on the Plusrite lamp must match the code on the ballast or luminaire.
- Only operate lamp in an enclosed fixture with ultraviolet absorbing filter glass.
- Do not look directly at the operating lamp for any period of time. This may cause eye injury.
- Lamp must be turned off for a minimum of 15min. at least once a week.
- Never expose an operating lamp to moisture such as rain, sleet or snow.
- Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.
- Periodically inspect the outer envelope. Replace lamp if scratched, cracked, or damaged.
- Electrically insulate any metal support in contact with the outer bulb to avoid glass decomposition.
- Before Lamp installation/replacement, shut power off and allow lamp and fixture to cool to avoid electrical shock and potential burn hazards
- Install lamp firmly but not forcibly into the socket.
- If an arc tube is broken, avoid skin contact with any of the contents or fragments.
- Do not store combustible or flammable materials directly below the luminaire.
- Do not use this lamp in a fixture that contains a Pulse Start metal halide ballast or in a fixture that is specifically designed for use with Pulse Start metal halide lamps.
- Never install the lamp into an ordinary household socket.
- Safety glasses and gloves should be used when installing or removing HID lamps

LAMP OPERATING CHARACTERISTICS

Lamp requires several minutes to come to full brightness. Time should be allowed for lamps stabilize in color when turned on for the first time. This may require several hours of operation, with more than one start. Color appearance may vary between individual lamps. It is further influenced by variation in the operating conditions and is not an indication of system or lamp failure. Lamp may require 10 to 20 minutes to restart if there is a power interruption.

R WARNING

This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation of outer envelope of the lamp is broken or punctured. Do not sure where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This lamp complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

HG LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws Kr-85

see www.lamprecycle.org or xxx-xxx-xxxx

Plusrite USA. 2000 South Grove Ave Building B Ontario CA 91761 www.plusriteusa.com

MH175-MH1500