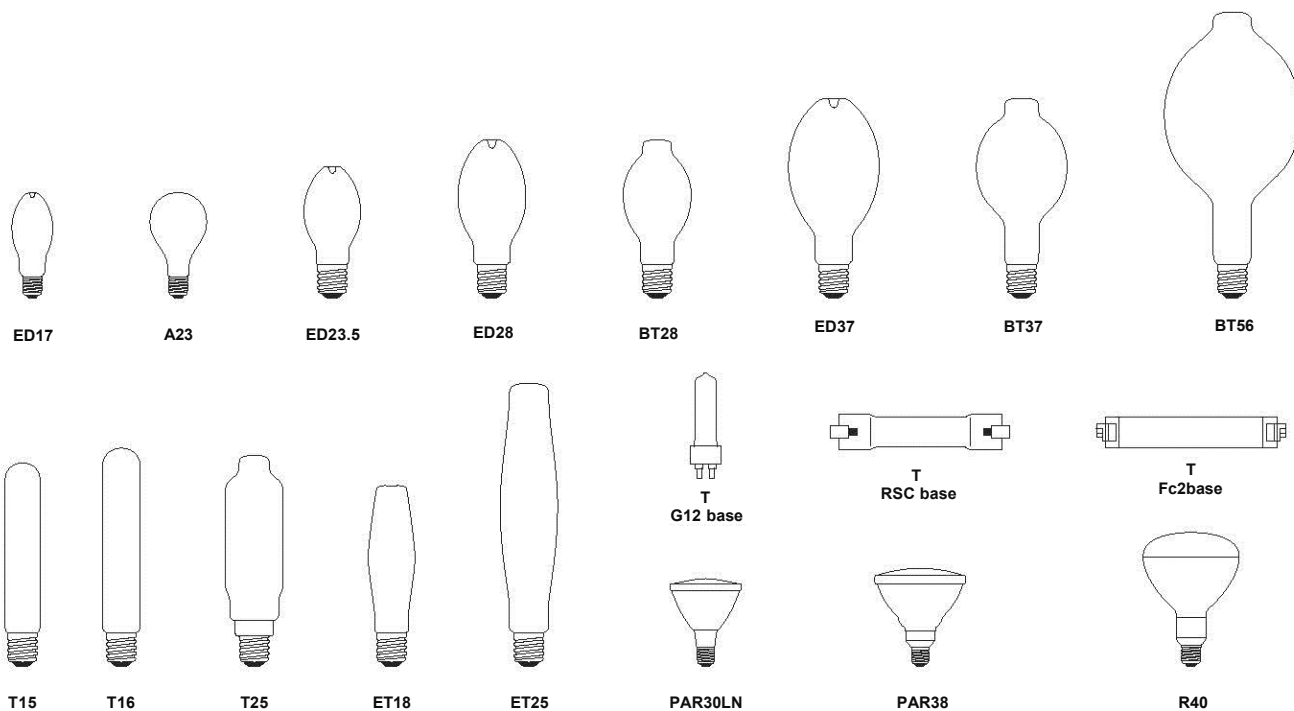
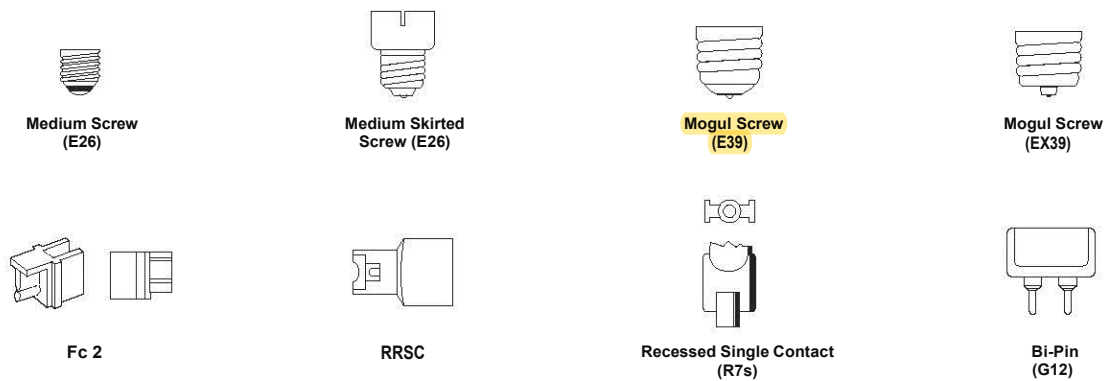


## BULBS

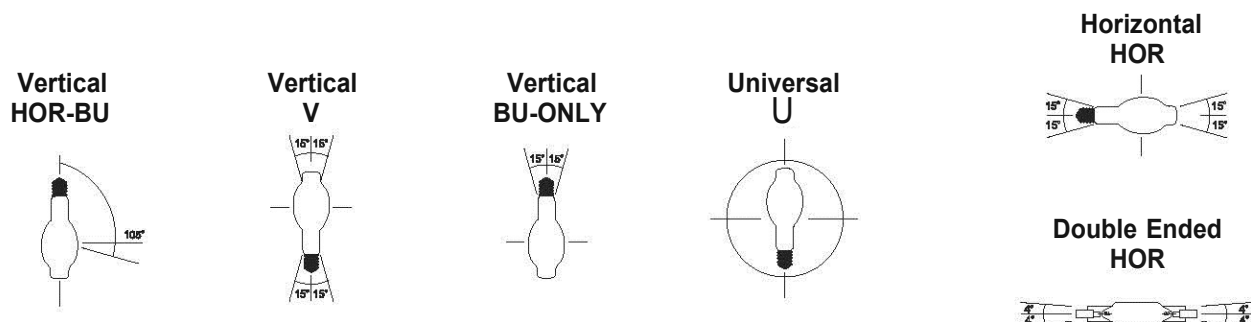
## HIGH INTENSITY DISCHARGE



## BASES



## OPERATING POSITIONS



# 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

## 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](http://www.lamprecycle.org)

MH50-MH150, MS175-MS1000/MSPS