

## 150 Watt Pulse Start Metal Halide Lamps

### Performance Data

Item #	Description	ANSI Designation	Light Output (Lumens @ 100 Hrs.)	Lamp Lumens Per Watt	Mean Output (Lumens)	Related Life (Hours @ 10 Hr./Start)	Correlated Color Temperature K	Chromaticity (CIE-X,Y)	Color Rendering Index (CRI)	Warm Up Time (Minutes)	Hot Restart Time (Minutes)	Burning Position
46156	MH 150W/U/PS	M102/E	14000 V	93 V	9800 V	15000 V	4000	.385	65	1-2	2-4	Universal
			12600 H	84 H	8800 H	11250 H		.390				
46161	MH 150W/C/U/PS	M102/E	13300 V	89 V	9300 V	15000 V	3700	.395	70	1-2	2-4	Universal
			12000 H	80 H	8400 H	11250 H		.390				
46150	MP 150W/U/UVG/PS	M102/O	13300 V	89 V	10000 V	15000 V	4000	.385	65	1-2	3-5	Universal
			12000 H	80 H	9500 H	11250 H		.390				
46152	MP 150W/U/UVG/PS/3K	M102/O	13300 V	89 V	10000 V	15000 V	3200	.420	65	1-2	3-5	Universal
			12000 H	80 H	9000 H	11250 H		.395				
46158	MH 150W/U/ED28/PS	M102/E	14000 V	93 V	10500 V	15000 V	4000	.385	65	1-2	2-4	Universal
			12600 H	84 H	9500 H	11250 H		.390				
46155	MP 150W/C/U/UVG/PS	M102/O	12600 V	84 V	9500 V	15000 V	3700	.395	70	1-2	3-5	Universal
			11300 H	75 H	8500 H	11250 H		.390				

Note: C designates a coated outer jacket  
ANSI Designation: E = Enclosed rated luminaire, O = Open rated luminaire

### Physical Data / Requirements:

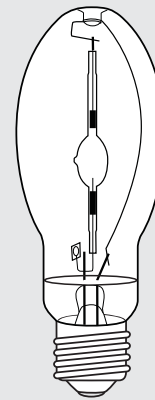
Base Designation	Medium (E26)	Medium (E26)	Mogul (EX39)	Mogul (EX39)
Bulb Designation	ED17(MH)	EDX17(MP)	ED28(MH)	ED28(MP)
Bulb Diameter	2 1/8"	2 1/8"	3 1/2"	3 1/2"
Max. Overall Length (MOL)	5 7/16"	5 7/16"	8 5/16"	8 5/16"
Light Center Length (LCL)	3 3/8"	3 3/8"	5"	5"
Effective Arc Length	19.0 mm	19.0 mm	19.0 mm	19.0 mm
Max. Base Temperature (°C)	210	210	210	210
Max. Bulb Temperature (°C)	400	400	400	400
Luminaire Type	Enclosed(MH)	Open (MP)	Enclosed	Open (MP)
Socket Pulse Rating (KV)	3-4	3-4	3-4	3-4
Socket Style	Medium	Medium	Mogul	Mogul EX39

### Electrical Data / Requirements:

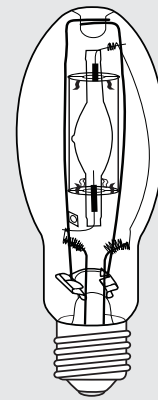
Lamp Wattage	150
Operating Voltage (Nominal)	95
Operating Current (Amps)	1.8
Min. Open Circuit Voltage (RMS)	210
Min-max starting pulse peak (Peak V)	3000-4000
Min. Pulse Width at 2700 volts (u sec)	1
Min. Pulse Rate per 1/2 Cycle	1
Pulse Position (Min. % OCV Peak)	90

### Notes:

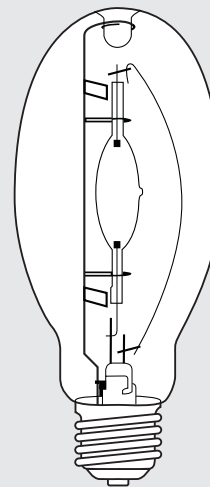
- UV Guard™ reduces normal UV emissions up to 90%.
- MP lamps are open luminaire rated and contain shrouded arc tubes.
- Nominal color temperature rating is based on vertical (±15°) operation of the lamp. Off vertical positions will result in higher color temperature.
- Pulse Start lamps require an ignitor for starting.
- Special open rated socket is required (EX39) on mogul based open rated lamps.



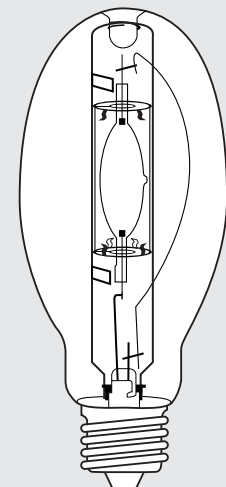
ED17  
Medium Base  
Enclosed Rated



ED17  
Medium Base  
Open Rated



ED28  
Mogul Base  
Enclosed Rated



ED28  
EX39 Mogul Base  
Open Rated