



Metal Halide Pulse Start Specifications

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 12600 H	93 V 84 H	9800 V 8800 H	15000 V 11250 H	4000	.385 .390	65	1-2	2-4	Universal
46161	MH 150W/C/U/PS	M102/E	13300 V 12000 H	89 V 80 H	9300 V 8400 H	15000 V 11250 H	3700	.395 .390	70	1-2	2-4	Universal
46150	MP 150W/U/UVG/PS	M102/O	13300 V 12000 H	89 V 80 H	10000 V 9500 H	15000 V 11250 H	4000	.385 .390	65	1-2	3-5	Universal
46152	MP 150W/U/UVG/ PS/3K	M102/O	13300 V 12000 H	89 V 80 H	10000 V 9000 H	15000 V 11250 H	3200	.420 .395	65	1-2	3-5	Universal
46158	MH 150W/U/ED28/ PS	M102/E	14000 V 12600 H	93 V 84 H	10500 V 9500 H	15000 V 11250 H	4000	.385 .390	65	1-2	2-4	Universal
46155	MP 150W/C/U/UVG/ PS	M102/O	12600 V 11300 H	84 V 75 H	9500 V 8500 H	15000 V 11250 H	3700	.395 .390	70	1-2	3-5	Universal

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:

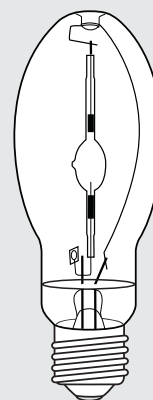
UV Guard™ reduces normal UV emissions up to 90%.

MP lamps are open luminaire rated and contain shrouded arc tubes.

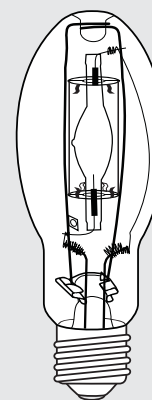
Nominal color temperature rating is based on vertical (±15°) operation of the lamp. Off vertical positions will result in higher color temperature.

Pulse Start lamps require an ignitor for starting.

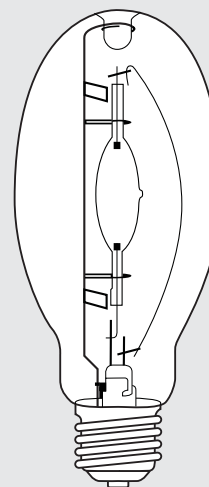
Special open rated socket is required (EX39)
on mogul based open rated lamps.



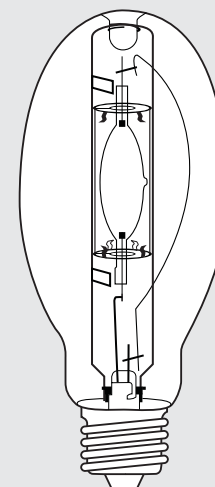
ED17
Medium Base
Enclosed Rated



ED17
Medium Base
Open Rated



ED28
Mogul Base
Enclosed Rated



ED28
EX39 Mogul Base
Open Rated