



Metal Halide Pulse Start Specifications

100 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 Postition
46130	MH 100W/U/PS	M90/E	9000 V	90 V	5900 V	15000 V	4000	.385	65	1-2	2-4	Universal
			8100 H	81 H	5300 H	11250 H		.390				
46131	MH 100W/C/U/PS	M90/E	8500 V	85 V	5500 V	15000 V	3700	.395	70	1-2	2-4	Universal
			7700 H	77 H	5000 H	11250 H		.390				
46132	MH 100W/U/PS/3K	M90/E	9000 V	90 V	5900 V	15000 V	3200	.420	65	1-2	2-4	Universal
			8100 H	81 H	5300 H	11250 H		.395				
46133	MH 100W/C/U/PS/3K	M90/E	8500 V	85 V	5500 V	15000 V	3200	.420	70	1-2	2-4	Universal
			7700 H	77 H	5000 H	11250 H		.395				
46136	MP 100W/U/UVG/PS	M90/O	8500 V	85 V	5500 V	15000 V	4000	.385	65	1-2	3-5	Universal
			7700 H	77 H	5000 H	11250 H		.390				
46139	MP 100W/C/U/UVG/PS	M90/O	8100 V	81 V	8100 V	15000 V	3700	.395	70	1-2	3-5	Universal
			7300 H	73 H	7300 H	11250 H		.390				
46134	MH 100W/U/ED28/PS	M90/E	9000 V	90 V	5900 V	15000 V	4000	.385	65	1-2	2-4	Universal
			8100 H	81 H	5300 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 (E39)
Bulb Designation -----	ED17 (MH)	EDX17 (MP)	ED28 (MH)
Bulb Diameter -----	2 1/8"	2 1/8"	3 1/2"
Max. Overall Length (MOL) ----	5 7/16"	5 7/16"	8 5/16"
Light Center Length (LCL) ----	3 3/8"	3 3/8"	5"
Effective Arc Length -----	12.7 mm	12.7 mm	12.7 mm
Max. Base Temperature (°C) ---	210	210	210
Max. Bulb Temperature (°C) ---	400	400	400
Luminaire Type -----	Enclosed	Open	Enclosed
Socket Pulse Rating (KV) -----	3-4	3-4	3-4
Socket Style -----	Medium	Medium	Mogul

Electrical Data / Requirements:

Lamp Wattage -----	100
Operating Voltage (Nominal) -----	100
Operating Current (Amps) -----	1.1
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

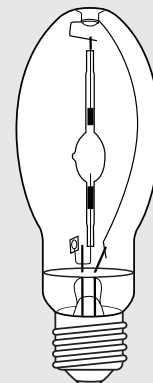
Notes:

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

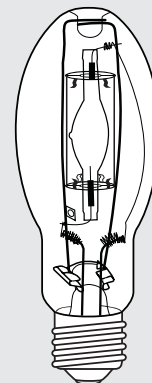
MP lamps are open luminaire rated and contain shrouded arc tubes.

Nominal color temperature rating is based on vertical ($\pm 15^\circ$) operation of the lamp. Off vertical positions will result in higher color temperature.

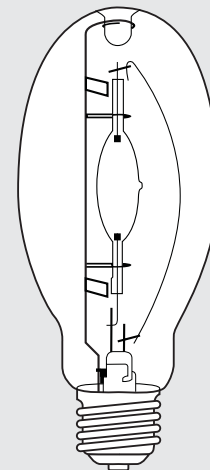
Pulse Start lamps require an ignitor for starting.



ED17
Medium Base
Enclosed Rated



ED17
Medium Base
Open Rated



ED28
Mogul Base
Enclosed Rated