



Metal Halide Pulse Start Specifications

70 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
46120	MH 70W/U/PS	M98/E	5600 V	80 V	3600 V	15000 V	4000	.385	65	1-2	1-2	Universal
			5000 H	71 H	3300 H	11250 H		.390				
46121	MH 70W/C/U/PS	M98/E	5300 V	76 V	3400 V	15000 V	3700	.395	70	1-2	1-2	Universal
			4800 H	69 H	3100 H	11250 H		.390				
46124	MP 70W/U/UVG/PS	M98/O	5300 V	76 V	3400 V	15000 V	4000	.385	65	1-2	2-4	Universal
			4800 H	69 H	3100 H	11250 H		.390				
46127	MP 70W/C/U/UVG/PS	M98/O	5000 V	71 V	3300 V	15000 V	3700	.395	70	1-2	2-4	Universal
			4500 H	64 H	3000 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)
Bulb Designation -----	ED17(MH)	EDX17(MP)
Bulb Diameter -----	2 1/8"	2 1/8"
Max. Overall Length (MOL) -----	5 7/16"	5 7/16"
Light Center Length (LCL) -----	3 3/8"	3 3/8"
Effective Arc Length -----	9.0 mm	9.0 mm
Max. Base Temperature (°C) -----	210	210
Max. Bulb Temperature (°C) -----	400	400
Luminaire Type -----	Enclosed	Open
Socket Pulse Rating (KV) -----	3-4	3-4
Socket Style -----	Medium	Medium

Electrical Data / Requirements:

Lamp Wattage -----	70
Operating Voltage (Nominal) -----	85
Operating Current (Amps) -----	0.90
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

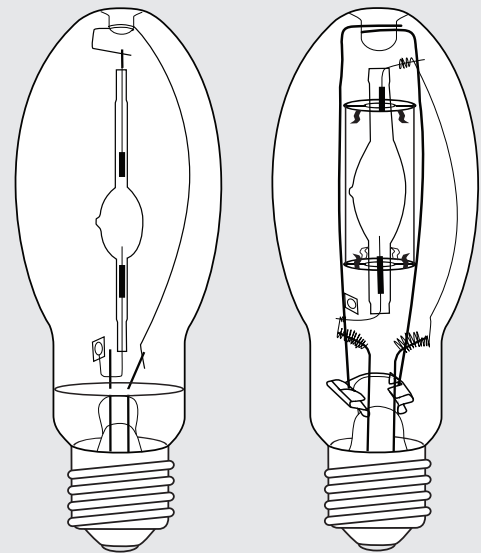
Notes:

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