



Metal Halide Pulse Start Specifications

50 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
46110	MH 50W/U/PS	M110/E	3400V	68V	2200V	10000V	4000	.385	65	1-2	1-2	Universal
			3100H	62H	2000H	7500H		.390				
46111	MH 50W/C/U/PS	M110/E	3200V	64V	2100V	10000V	3700	.395	70	1-2	1-2	Universal
			2900H	58H	1900H	7500H		.390				
46112	MP 50W/U/UVG/PS/3K	M110/O	3200V	64V	2100V	10000V	3200	.385	65	1-2	2-4	Universal
			2900H	58H	1900H	7500H		.390				
46113	MP 50W/C/U/UVG/PS/3K	M110/O	3000V	60V	2000V	10000V	3200	.395	70	1-2	2-4	Universal
			2700H	54H	1800H	7500H		.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 -----	6.8 mm	7.2 mm
Max. Base Temperature (°C) ----	210	210
Max. Bulb Temperature (°C) ----	400	400
Luminaire Type -----	Enclosed (MH)	Open (MP)
Socket Pulse Rating (KV) -----	3-4	3-4
Socket Style -----	Medium	Medium

Electrical Data / Requirements:

Lamp Wattage -----	50
Operating Voltage (Nominal) -----	85
Operating Current (Amps) -----	.68
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 by 90%.

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

Normal 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.

