



Metal Halide Pulse Start Specifications

175 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
46170	MS 175W/BU/MED/PS	M152/E	17500	100	13200	15000	4000	.385	65	1-2	2-4	BU ±15°
		M137/E						.390				
46171	MS 175W/C/BU/MED/PS	M152/E	16600	95	12400	15000	3700	.395	70	1-2	2-4	BU ±15°
		M137/E						.390				
46174	MS 175W/BU/PS	M152/E	17500	100	14000	15000	4000	.385	65	1-2	2-4	BU ±15°
		M137/E						.390				
46175	MS 175W/C/BU/PS	M152/E	16600	95	13300	15000	3700	.395	70	1-2	2-4	BU ±15°
		M137/E						.390				
46176	MP 175W/BU/UVG/PS	M152/O	15000	95	12000	15000	4000	.385	65	1-2	3-5	BU ±15°
		M137/O						.390				
46177	MP 175W/C/BU/UVG/PS	M152/O	14300	90	11400	15000	3700	.395	70	1-2	3-5	BU ±15°
		M137/O						.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)	Mogul (E39)	Mogul (EX39)
Bulb Designation	ED17 (MS)	ED28 (MS)	ED28 (MP)
Bulb Diameter	2 1/8"	3 1/2"	3 1/2"
Max. Overall Length (MOL)	5 7/16"	8 5/16"	8 5/16"
Light Center Length (LCL)	3 3/8"	5"	5"
Effective Arc Length	20.6 mm	20.0 mm	20.0 mm
Max. Base Temperature (°C)	210	210	210
Max. Bulb Temperature (°C)	400	400	400
Luminaire Type	Enclosed	Enclosed	Open
Socket Pulse Rating (KV)	3-4	3-4	3-4
Socket Style	Medium	Mogul	Mogul (EX39)

Electrical Data / Requirements:

Lamp Wattage	175
Operating Voltage (Nominal)	132
Operating Current (Amps)	1.5
Min. Open Circuit Voltage (RMS)	254
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:

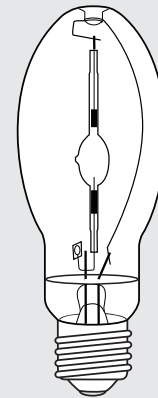
UV Guard™ reduces normal UV emissions up to 90%.

Lamps are not warranted for rated life when operated on ballasts with less than the 270V minimum sustaining voltage (V_{ss}) required in new ANSI specifications.

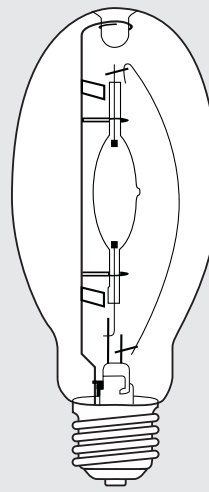
Contact ballast manufacturer to find out if their CWA ballasts meet this and other specification requirements.

Pulse Start lamps require an ignitor for starting.

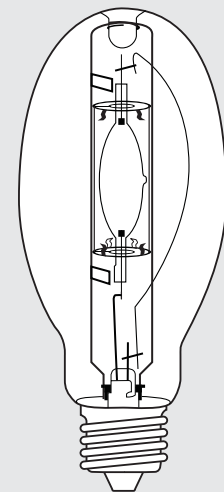
Special open rated socket is required (EX39) on mogul based open rated lamps.



ED17
Medium Base
Enclosed Rated



ED28
Mogul Base
Enclosed Rated



ED28
Mogul Base
Open Rated