



Metal Halide Pulse Start Specifications

200 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
46214	MS 200W/BU/MED/PS	M136/E	21000	105	15800	12000	4000	.385 .390	65	1-2	2-4	BU ±15°
46210	MP 200W/BU/UVG/PS	M136/O	20000	100	15000	15000	4000	.385 .390	65	1-2	2-4	BU ±15°
46215	MP 200W/C/BU/UVG/PS	M136/O	19000	95	14200	15000	3700	.395 .390	70	1-2	2-4	BU ±15°

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(MH)	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 -----	24.6 mm	23.6 mm	23.6 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

Electrical Data / Requirements:

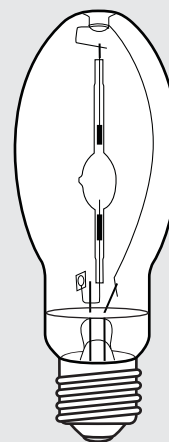
Lamp Wattage -----	200
Operating Voltage (Nominal) -----	132
Operating Current (Amps) -----	1.6
Min. Open Circuit Voltage (RMS) -----	254
Min-max starting pulse peak (Peak V) -----	3000-4000
Min. Pulse Width at 2700 volts -----	1
Min. Pulse Rate per 1/2 Cycle -----	1
Pulse Position (Min. % OCV Peak) -----	90

Notes:

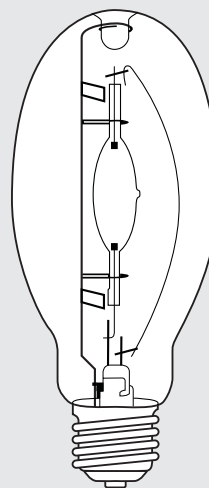
Pulse Start lamps require an ignitor for starting.

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

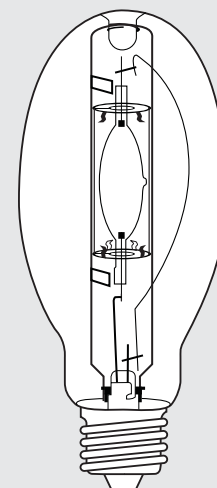
Special open rated socket is required (EX39) on mogul based open rated lamps.



ED17
Medium Base
Enclosed Rated



ED28
Mogul Base
Enclosed Rated



ED28
EX39 Mogul Base
Open Rated