

320 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
46232	MS 320W/V/ED37/PS	M154/E	33000	103	26000	20000	4000	.385	65	2-3	4-6	Vertical ±15°
		M132/E						.390				
46233	MS 320W/C/V/ED37/PS	M154/E	31000	97	25000	20000	3700	.395	70	2-3	4-6	Vertical ±15°
		M132/E						.390				
46236	MS 320W/V/ED28/PS	M154/E	33000	103	26000	20000	4000	.385	65	2-3	4-6	Vertical ±15°
		M132/E						.390				
46231	MS 320W/C/V/ED28/PS	M154/E	31000	97	25000	20000	3700	.395	70	2-3	4-6	Vertical ±15°
		M132/E						.390				
46240	MP 320W/BU/ED28 UVG/PS	M154/O	31000	97	25000	20000	4000	.385	65	2-3	5-8	BU±15°
		M132/O						.390				
46237	MP 320W/C/BU/ED28 UVG/PS	M154/O	29000	91	23000	20000	3700	.395	70	2-3	5-8	BU±15°
		M132/O						.390				
46242	MP 320W/BU/ED37 UVG/PS	M154/O	31000	97	25000	20000	4000	.385	65	2-3	5-8	BU±15°
		M132/O						.390				
46239	MP 320W/C/BU/ED37 UVG/PS	M154/O	29000	91	23000	20000	3700	.395	70	2-3	5-8	BU±15°
		M132/O						.390				

Note: C designates a coated outer jacket
ANSI Designation: E = Enclosed rated luminaire, O = Open rated luminaire

Physical Data / Requirements:

	Mogul (E39)	Mogul (EX39)	Mogul (E39)	Mogul (EX39)
Base Designation	Mogul (E39)	Mogul (EX39)	Mogul (E39)	Mogul (EX39)
Bulb Designation	ED28 (MS)	ED28 (MP)	ED37 (MS)	ED37 (MP)
Bulb Diameter	3 1/2"	3 1/2"	4 5/8"	4 5/8"
Max. Overall Length (MOL)	8 9/16"	8 9/16"	11 1/2"	11 1/2"
Light Center Length (LCL)	5"	5"	7"	7"
Effective Arc Length	25.0 mm	25.0 mm	25.0 mm	25.0 mm
Max. Base Temperature (°C)	230	230	230	230
Max. Bulb Temperature (°C)	450	450	400	400
Luminaire Type	Enclosed	Open	Enclosed	Open
Socket Pulse Rating (KV)	3-4	3-4	3-4	3-4
Socket Style	Mogul	Mogul	Mogul	Mogul

Electrical Data / Requirements:

Lamp Wattage	320
Operating Voltage (Nominal)	135
Operating Current (Amps)	2.63
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:

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.

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

