



Metal Halide Probe Start Specifications

400 Watt Probe Start Metal Halide Lamps

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

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
46340	MH 400W/U	M59/E	36000 V	90 V	23500 V	20000 V	4000	.385	65	3-5	7-12	Universal
			32400 H	81 H	21100 H	15000 H		.390				
46341	MH 400W/C/U	M59/E	34000 V	85 V	22000 V	20000 V	3700	.395	70	3-5	7-12	Universal
			30600 H	76 H	19900 H	15000 H		.390				
46352	MH 400W/U/ED28	M59/E	36000 V	90 V	23500 V	20000 V	4000	.385	65	3-5	7-12	Universal
			32400 H	81 H	21100 H	15000 H		.390				
46347	MH 400W/C/U/ED28	M59/E	34000 V	85 V	22000 V	20000 V	3700	.395	70	3-5	7-12	Universal
			30600 H	76 H	19900 H	15000 H		.390				
46344	MS 400W/BU	M59/E	40000	100	26000	20000	4000	.385	65	3-5	7-12	BU±15°
								.390				
46345	MS 400W/C/BU	M59/E	38000	95	24000	20000	3700	.395	70	3-5	7-12	BU±15°
								.390				
46346	MP 400W/BU/UVG	M59/O	36000	95	23000	20000	4000	.385	65	3-5	7-12	BU±15°
								.390				

Physical Data / Requirements:

	Mogul (E39)	Mogul (E39)	Mogul (EX39)
Base Designation	ED28 (MH)	ED37 (MH & MS)	ED37
Bulb Diameter	3 1/2"	4 5/8"	4 5/8"
Max. Overall Length (MOL)	8 9/16"	11 1/2"	11 1/2"
Light Center Length (LCL)	5"	7"	7"
Effective Arc Length	35.4 mm	35.4 mm	35.4 mm
Max. Base Temperature (°C)	230	210	210
Max. Bulb Temperature (°C)	400	400	400
Luminaire Type	Enclosed	Enclosed	Open
Socket Style	Mogul	Mogul	Mogul

Electrical Data / Requirements:

Lamp Wattage	400
Operating Voltage (Nominal)	135
Operating Currents (Amps)	3.2

Notes:

- Lamp operates on standard 400 watt (M59) metal halide ballast.
- Nominal color temperature rating is based on vertical (±15°) operation of the lamp.
- Off vertical positions will result in higher color temperature.
- UV Guard™ reduces normal UV emissions up to 90% in MP lamps.
- MP lamps are open luminaire rated and contain shrouded arc tubes.
- Special open rated socket is required (EX39) for MP lamps.

