

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

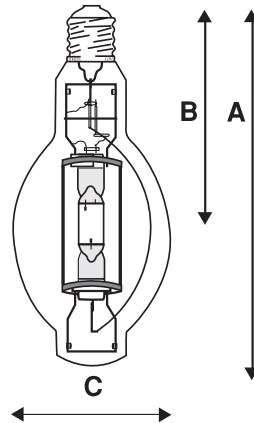
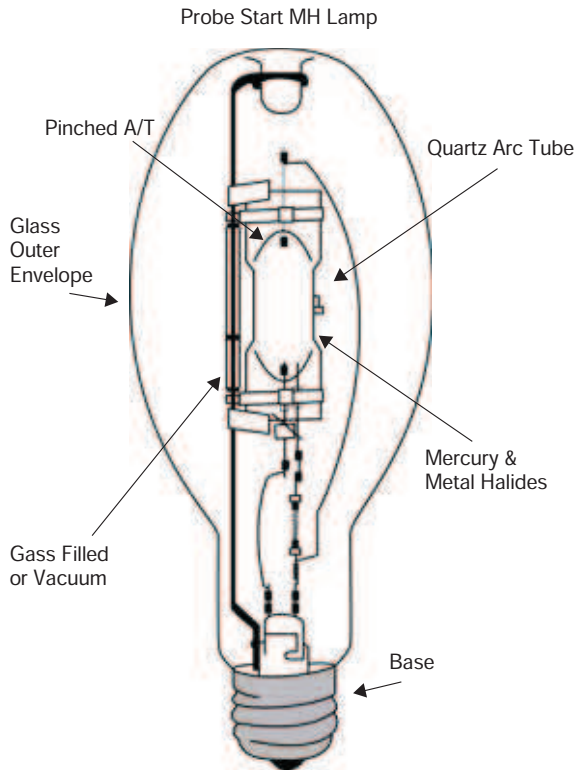
Item #	Description	ANSI Designation	Light Output (Lumens @ 100 Hrs.)	Lamp Lumens Per Watt	Mean Output (Lumens)	Related Life (Hours @ 10 Hr./Start)	Correlated Color Temperature K	Chromaticity (CIE-X,Y)	Color Rendering Index (CRI)	Warm Up Time (Minutes)	Hot Restart Time (Minutes)	Burning Position
46340	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 .390	65	3-5	7-12	BU±15°
46345	MS 400W/C/BU	M59/E	38000	95	24000	20000	3700	.395 .390	70	3-5	7-12	BU±15°
46346	MP 400W/BU/UVG	M59/O	36000	95	23000	20000	4000	.385 .390	65	3-5	7-12	BU±15°

Sample Specification: please see www.tcp.com/commercial/hid for complete list of all Probe Start Metal Halide lamps.

Application Information

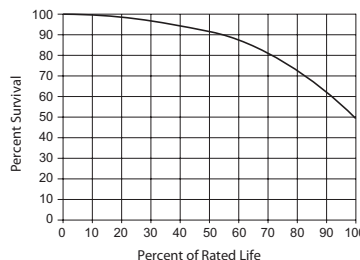
- Ambient lighting: Industrial & Commercial • Parking Lots • Canopy Lighting

TCP offers both enclosed & open rated HID lamps. Lamps classified as O-type, comply with ANSI Standard C78.389 for containment testing and may be used in open luminaires. See lamp warning.

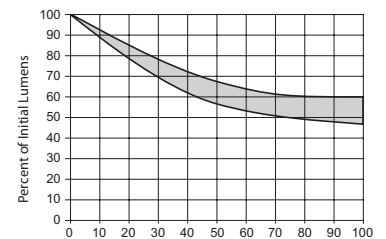


Bulb	(A) MOL	(B) LCL	(C) Bulb Diameter
ED17	5.44"	3.38"	2.13"
ED28	8.31"	5.00"	3.5"
ED37	11.5"	7.00"	4.63"
BT56	15.38"	9.5"	7.00"

Typical Mortality Curve - Base Up Operation



Typical Lumen Depreciation - Base Up Operation



Refer to lamp specification for operating position.