



TCP Pulse Start Metal Halide Technical Data Sheet

400 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
46274	MS 400W/V/PS	M155/E M135/E	44000	110	33000	20000	4000	.385 .390	65	2-3	4-6	Vertical $\pm 15^\circ$
46275	MS 400W/C/V/PS	M155/E M135/E	42000	105	31500	20000	3700	.395 .390	70	2-3	4-6	Vertical $\pm 15^\circ$
46273	MS 400W/C/V/ED28/PS	M155/E M135/E	42000	105	31500	20000	3700	.395 .390	70	2-3	4-6	Vertical $\pm 15^\circ$
46280	MP 400W/BU/UVG/PS	M155/O M135/O	41000	102	31500	20000	4000	.385 .390	65	2-3	5-8	BU $\pm 15^\circ$
46279	MP 400W/C/BU/ED28/UVG/PS	M155/O M135/O	39000	98	29300	20000	3700	.395 .390	70	2-3	5-8	BU $\pm 15^\circ$
46284	MS 400W/HOR/PS	M155/E M135/E	38000	95	28500	15000	4000	.385 .390	65	2-3	4-6	HOR $\pm 45^\circ$

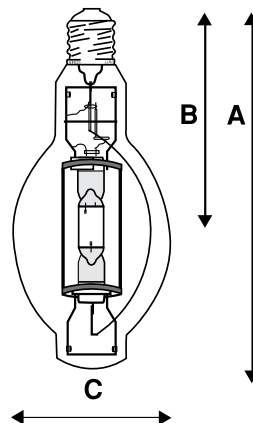
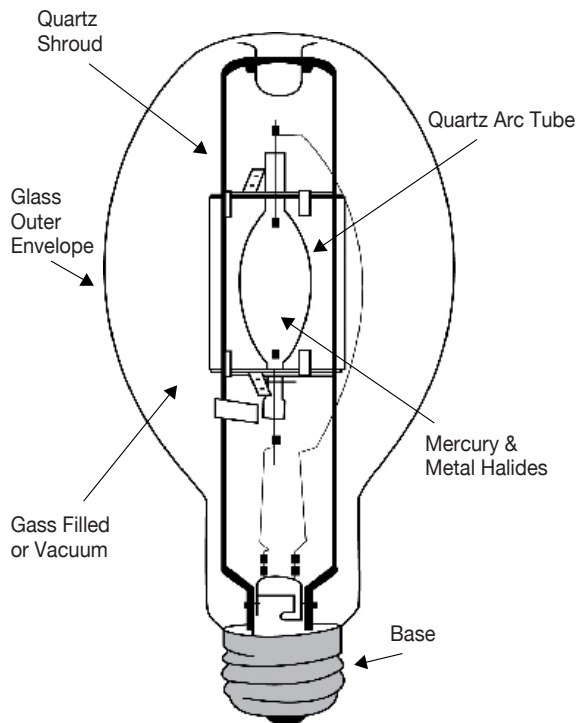
Sample Specification: please see www.tcp.com/commercial/hid for complete list of all Pulse Start Metal Halide lamps.

Application Information

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

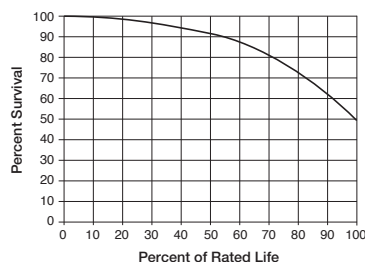
TCP offers both enclosed & open rated HID lamps. Lamps classified as O-type, comply with ANSI Standard C78.389 for containment testing and may be used in open luminaires. See lamp warning.

Pulse Start MH Lamp

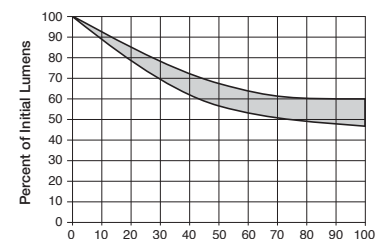


Bulb	(A) MOL	(B) LCL	(C) Bulb Diameter
ED17	5.44"	3.38"	2.13"
ED28	8.31"	5.00"	3.5"
ED37	11.5"	7.00"	4.63"

Typical Mortality Curve - Base Up Operation



Typical Lumen Depreciation - Base Up Operation



Refer to lamp specification for operating position.

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