

Product Code: MHPS/0002-MHPS/0008

Description: MP320W/ED90/PS/U/4K/EX39/Clear/US Standard/MP320W/ED90/PS/C/U/4K/EX39/Coated/US Standard

Product Name: Protected and Pulse Start Metal Halide Lamps

Technical Performance Data Sheet

MHPS/0002:MP320W/ED90/PS/U/4K/EX39/Clear/US

Light Output (Lumens100Hrs) (Base Up Burning)	31000/29000
Light Output (Lumens100Hrs) (Horizontal Burning)	27590/25810
Lamp Lumens Per Watt (Base Up Burning)	97/91
Lamp Lumens Per Watt (Horizontal Burning)	86/81
Mean Output (Lumens) (Base Up Burning)	25000/23000
Mean Output (Lumens) (Horizontal Burning)	22250/20470
Rated Life (Hours)	20000
Color Temperature (k)	4200K
Chromaticity (CIE-x/y)	0.385,0.390/
Color Rendering Index (CRI)	65
To 90% Warm Up Time (Minute)	2 to 3 Minutes
Hot Restart Time (Minute)	5 to 8 Minutes
Burning Position	UNIVERSAL



Physical Data/ Requirements

MHPS/0008:MP320W/ED90/PS/C/U/4K/EX39/Coated/US

Base Designation	EX39
Bulb Designation	ED90mm
Bulb Diameter mm	Φ90
Max Overall Length (MOL) mm	211/mm
Light Center Length (LCL) mm	127 ±/5mm
Effective Arc Length	NA
Max Base Temperature	210°C
Max Bulb Temperature	450°C
Luminaire type	OPEN
Socket Pulse Rating (V)	3000-4000V



Electrical Data/ Requirement

Lamp Wattage (W)	320W
Operating Voltage (V)	135V
Operating Current (Amps)	2.63A
Min. Open Circuit Voltage (RMS)	310V
Min Max Starting Pulse (Peak v)	3000-4000V
Min Pulse Width (u sec)	1
Min Pulse Rate Per 1/2 Cycle	1
Pulse Position(Min.% OCV Peak)	60° ~ 90°
Revision :	17/09/2012

This lamp can cause skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured.

Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used, *This is for reference,not the absolute standard.