

# 320 Watt Pulse Start Lamp

# 32039 DATA SHEET



**UNI-FORM**  
PULSE START METAL HALIDE LIGHTING SYSTEMS

## MP 320W/C/U/ED37/PS/737

### GENERAL Characteristics

Lamp Type	MH Pulse Start Single Ended
ANSI Code	M132, M154/O
Bulb Shape	ED37
Base Type	Mogul (EX39)
Bulb Finish	Coated
Rated Life (V)	20000 hours
Rated Life (H)	15000 hours
Operating Position	Universal

### ELECTRICAL

Lamp Watts	320
Lamp Oper. Voltage (Nom.)	135

### SUSTAINABILITY

Mercury Amount (mg)	28.5
Picograms of Hg per Mean Lumen Hour (V)	57

### PHOTOMETRIC

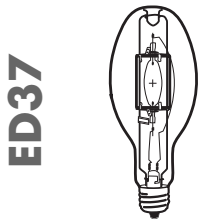
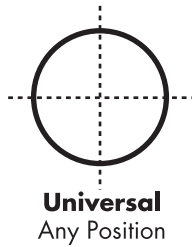
Initial Lumens / LPW (V)	29000 / 91
Initial Lumens / LPW (H)	26000 / 81
Lamp Lumen Depreciation (LLD)	0.86 (86%) @ 8000 hours
Correlated Color Temperature	3700K
Chromaticity Coordinates (CIE-x,y)	.395 .390
Color Rendering Index (CRI) $R_a$	70

### PHYSICAL

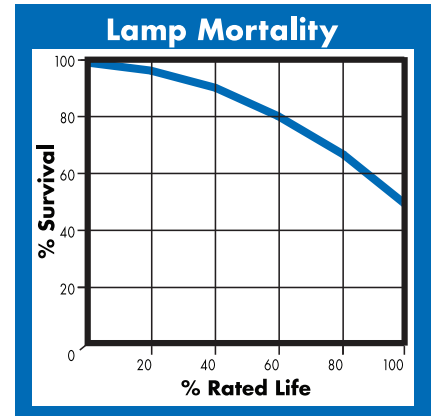
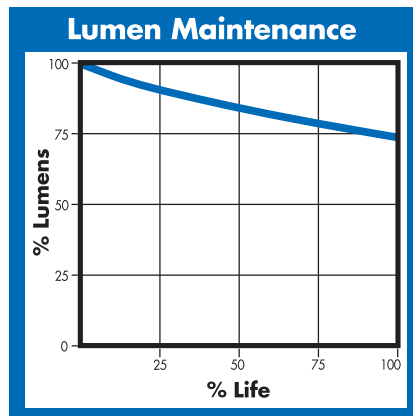
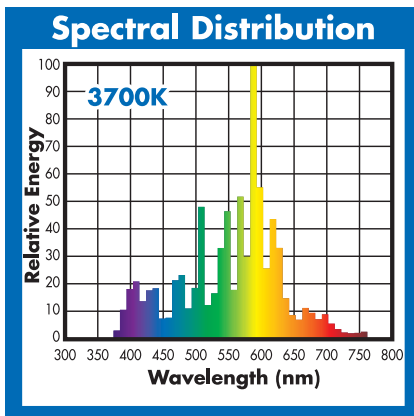
Bulb Diameter	4.6" (120mm)
Max. Overall Length (MOL)	11.5" (292mm)
Light Center Length (LCL)	7.0" (178mm)
Effective Arc Length	N/A
Max. Base Temperature (°C)	210
Max. Bulb Temperature (°C)	400
Socket Pulse Rating (KV)	4
Luminaire Type	Open / Enclosed Rated

### NOTES

- Lamp performance ratings published in this data sheet are based upon operation with approved electronic ballasts.
- Nominal color temperature rating is based on Vertical ( $\pm 15^\circ$ ) operation of the lamp. Off-vertical positions will result in higher color temperature.
- Minimum Starting Temperature:  $-40^\circ\text{C}/^\circ\text{F}$ .



Dia. = 4.6" (120mm)  
MOL = 11.5" (292mm)  
LCL = 7.0" (178mm)  
Base = Mogul (EX39)



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THIS LAMP CONFORMS TO FEDERAL STANDARD 21 CFR 1040.30  
Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives

**Warning:** This lamp can cause skin burn and eye inflammation from shortwave 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. Lamps that will automatically extinguish when outer envelope is broken or punctured are commercially available.