

# 400 Watt Pulse Start Lamp

# 12445 DATA SHEET



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

## MP 400W/V/ED28/UVS/PS/740

### GENERAL Characteristics

Lamp Type	MH Pulse Start Single Ended
ANSI Code	M135, M155/O
Bulb Shape	ED28
Base Type	Mogul (EX39)
Bulb Finish	Clear
Rated Life	30000 hours
Operating Position	Vertical $\pm 15^\circ$
Dimming	50% Rated Power

### PHOTOMETRIC

Initial Lumens	41000
Scotopic Lumens (S/P 1.7)	70000
Lumens Per Watt	103
Lamp Lumen Depreciation (LLD)	.86 (86%) @ 8000 hours
Correlated Color Temperature	4000K
Chromaticity Coordinates (CIE-x,y)	.385 .390
Color Rendering Index (CRI)	68

### PHYSICAL

Bulb Diameter	3.5" (90mm)
Max. Overall Length (MOL)	8.3" (211mm)
Light Center Length (LCL)	5.0" (127mm)
Effective Arc Length	43.9 mm
Max. Base Temperature ( $^\circ\text{C}$ )	230
Max. Bulb Temperature ( $^\circ\text{C}$ )	450
Socket Pulse Rating (KV)	4
Luminaire Type	Open / Enclosed Rated

### ELECTRICAL

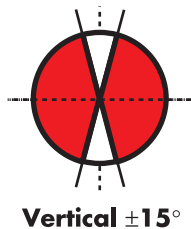
Lamp Watts	400
Lamp Oper. Voltage (Nom.)	135

### SUSTAINABILITY

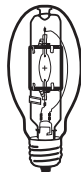
Recycling Program	Smartpac® 800-451-2606
Picograms Hg per Mean Lumen Hour	38
MR-Credit 4 Reduced Mercury in Lamps	1 LEED point
EISA 2007 Compliant	Yes

### NOTES

Lamp performance ratings published in this data sheet are based on operation with approved electronic ballasts. Performance of position-rated lamps outside of their tolerances will result in poor performance. UV Shield eliminates nearly all UV emissions, reducing color fading and lens yellowing. Minimum Starting Temperature:  $-40^\circ\text{C}/^\circ\text{F}$ . To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio. \*\*LEED V3, MR CREDIT 4: Sustainable Purchasing - Reduced Mercury in Lamps is awarded 1 point for projects which at least 90% of all mercury-containing lamps purchased during the performance period comply and meet the target for mercury content of 90 picograms per lumen-hour or less.



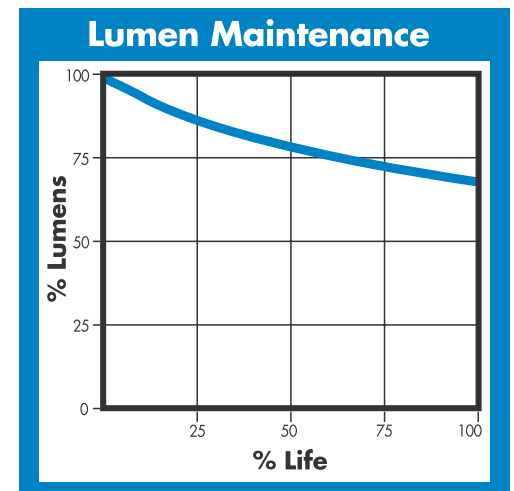
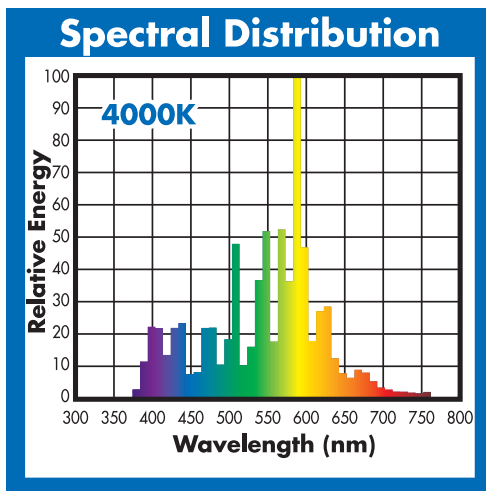
**ED28**



Dia. = 3.5" (90mm)  
MOL = 8.3" (211mm)  
LCL = 5.0" (127mm)  
Base = Mogul (EX39)

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THIS LAMP CONFORMS TO FEDERAL STANDARD 21 CFR 1040.30

**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.

This Product is Recyclable Through Smartpac  
THE RECYCLING EXPERT