

# 200 Watt Pulse Start Lamp

# 60812 DATA SHEET



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

## MS 200W/C/BU/MED/PS/737

### GENERAL Characteristics

Lamp Type	MH Pulse Start Single Ended
ANSI Code	M136/E
Bulb Shape	ED17
Base Type	Medium (E26)
Bulb Finish	Coated
Rated Life	12000 hours
Operating Position	Base Up $\pm 15^\circ$

### ELECTRICAL

Lamp Watts	200
Lamp Oper. Voltage (Nom.)	132

### SUSTAINABILITY

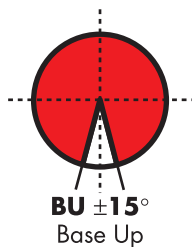
Mercury Amount (mg)	22.6
Picograms of Hg per Mean Lumen Hour	109

### PHOTOMETRIC

Initial Lumens	20000
Lumens Per Watt	100
Lamp Lumen Depreciation (LLD)	0.86 (86%) @ 4800
Correlated Color Temperature	3700K
Chromaticity Coordinates (CIE-x,y)	.395 .390
Color Rendering Index (CRI) $R_a$	70

### PHYSICAL

Bulb Diameter	2.1" (54mm)
Max. Overall Length (MOL)	5.4" (138mm)
Light Center Length (LCL)	3.4" (86mm)
Effective Arc Length	N/A
Max. Base Temperature ( $^\circ\text{C}$ )	210
Max. Bulb Temperature ( $^\circ\text{C}$ )	450
Socket Pulse Rating (KV)	4
Luminaire Type	Enclosed Rated



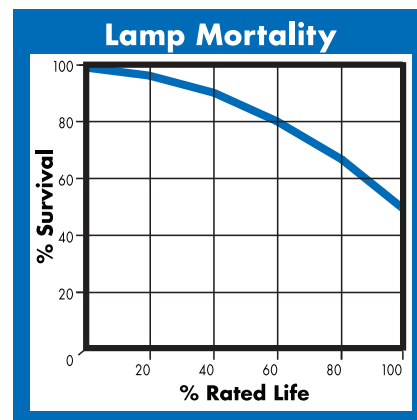
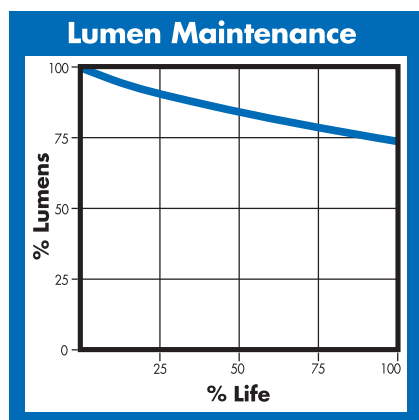
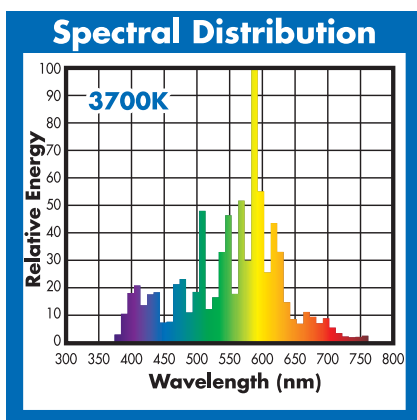
**ED17**



Dia. = 2.1" (54mm)  
MOL = 5.4" (138mm)  
LCL = 3.4" (86mm)  
Base = Medium (E26)

### NOTES

- Lamp performance ratings published in this data sheet are based upon operation with approved electronic ballasts.
- Operation of position-rated lamps outside of their tolerances will result in poor performance.
- Minimum Starting Temperature:  $-40^\circ\text{C}/^\circ\text{F}$ .
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).



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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.