

50 Watt Pulse Start Lamp

52312 DATA SHEET



UNI-FORM
PULSE START METAL HALIDE LIGHTING SYSTEMS

MH 50W/U/PS GENERAL Characteristics

Lamp Type	MH Pulse Start Single Ended
ANSI Code	M110/E
Bulb Shape	ED17
Base Type	Medium (E26)
Bulb Finish	Clear
Rated Life (V)	10000 hours
Rated Life (H)	7500 hours
Operating Position	Universal

ELECTRICAL

Lamp Watts	50
Lamp Oper. Voltage (Nom.)	85

SUSTAINABILITY

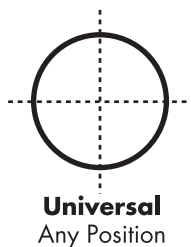
Mercury Amount (mg)	9.5
Picograms of Hg per Mean Lumen Hour (V)	432

PHOTOMETRIC

Initial Lumens / LPW (V)	3400 / 68
Initial Lumens / LPW (H)	3100 / 62
Lamp Lumen Depreciation (LLD)	0.65 (65%) @ 4000 hours
Correlated Color Temperature	4000K
Chromaticity Coordinates (CIE-x,y)	.385 .390
Color Rendering Index (CRI) R_a	65

NOTES

- Lamp performance ratings published in this data sheet are based on operation with magnetic ballasts.
- Performance ratings of Universal lamps are based upon vertical ($\pm 15^\circ$) operation.
- 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).



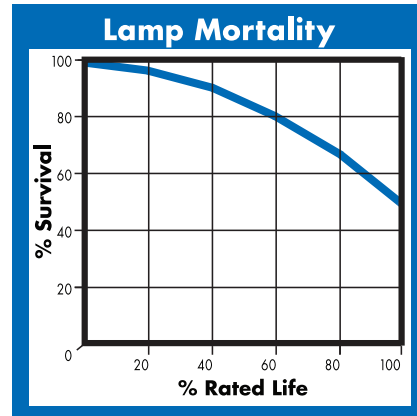
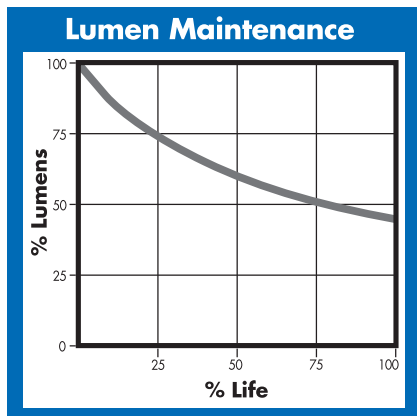
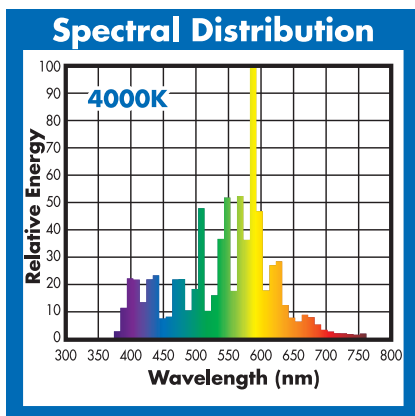
PHYSICAL

Bulb Diameter	2.1" (54mm)
Max. Overall Length (MOL)	5.4" (138mm)
Light Center Length (LCL)	3.4" (86mm)
Effective Arc Length	6.8 mm
Max. Base Temperature ($^\circ\text{C}$)	210
Max. Bulb Temperature ($^\circ\text{C}$)	400
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)



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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.