775 Watt Pulse Start Lamp

High CRI and High CCT Uni-Form® Pulse Start Metal Halide Lighting Systems

24999

DATA SHEET

MS 775W/H75/BT37/PS/950

Natural White®

GENERAL Characteristics

Lamp Type	MH Pulse Start Single Ended
ANSI Code	M181/E (M166/E Comp.)
Bulb Shape	BT37
Base Type	Mogul (E39)
Bulb Finish	Clear
Rated Life	15000 hours
Operating Position	Horizontal ±75°

PHOTOMETRIC

Initial Lumens	60000
Lumens Per Watt	77
Lamp Lumen Depreciation (LLD)	0.90 (90%) @ 6000 hours
Correlated Color Temperature	5000K
Chromaticity Coordinates (CIE-x,y)	.346 .359
Color Rendering Index (CRI) R_a	90+

PHYSICAL

Bulb Diameter	4.6" (120mm)
Max. Overall Length (MOL)	11.5" (292mm)
Light Center Length (LCL)	7.0" (178mm)
Effective Arc Length	72.8mm
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	450
Socket Pulse Rating (KV)	4
Luminaire Type	Enclosed Rated

ELECTRICAL

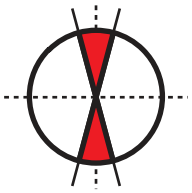
Lamp Watts	775
Lamp Oper. Voltage (Nom.)	220

SUSTAINABILITY

Mercury Amount (mg)	48.0
Picograms of Hg per Mean Lumen Hour	59

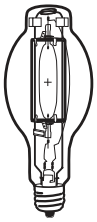
NOTES

- Lamp performance ratings published in this data sheet are based upon operation with magnetic ballasts.
- Operation of position-rated lamps outside of their tolerances will result in poor performance.
- Minimum Starting Temperature: -40°C/°F.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (2.1).



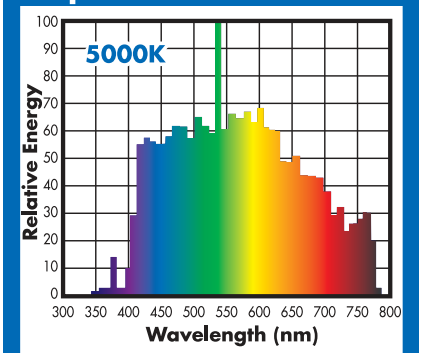
HOR ±75°
Horizontal

BT37

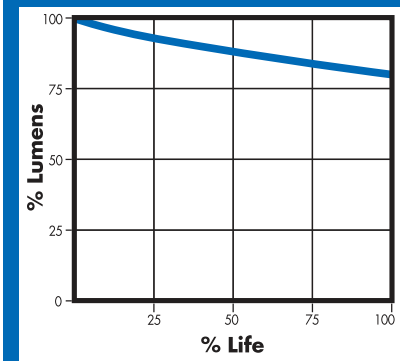


Dia. = 4.6" (120mm)
MOL = 11.5" (292mm)
LCL = 7.0" (178mm)
Base = Mogul (E39)

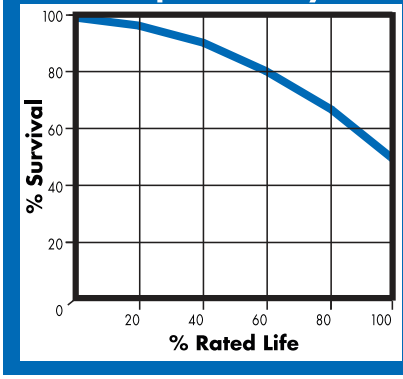
Spectral Distribution



Lumen Maintenance



Lamp Mortality



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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.

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