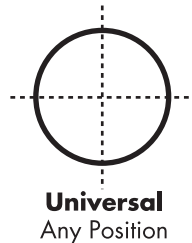


# 250 Watt Probe Start Lamp

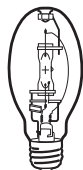
# 91051 DATA SHEET



**White-Lux**  
Retrofit Lamps  
for HPS Fixtures  
Switch To Bright,  
White Light  
From Existing  
HPS Fixtures  
As Simple as a  
Change of a Lamp



**ED28**



Dia. = 3.5" (90mm)  
MOL = 8.3" (211mm)  
LCL = 5.0" (127mm)  
Base = Mogul (E39)

## MH 250W/U/LU GENERAL Characteristics

Lamp Type	Standard MH Single Ended
ANSI Code	S50/E Compatible
Bulb Shape	ED28
Base Type	Mogul (E39)
Bulb Finish	Clear
Rated Life	10000 hours
Operating Position	Universal

## PHOTOMETRIC

Initial Lumens	20000
Lumens Per Watt	74
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

## PHYSICAL

Bulb Diameter	3.5" (90mm)
Max. Overall Length (MOL)	8.3" (211mm)
Light Center Length (LCL)	5.0" (127mm)
Effective Arc Length	21 mm
Max. Base Temperature (°C)	210
Max. Bulb Temperature (°C)	400
Socket Pulse Rating (KV)	4
Luminaire Type	Enclosed Rated

## ELECTRICAL

Lamp Watts	270
Lamp Oper. Voltage (Nom.)	100
Metal Halide Replacement for	LU 250
Dimming	50% Rated Power

## SUSTAINABILITY

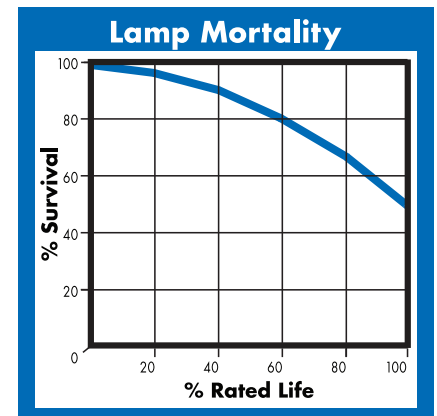
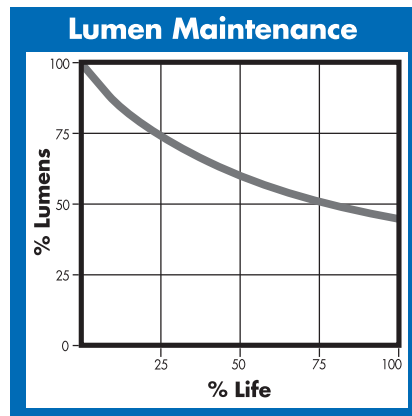
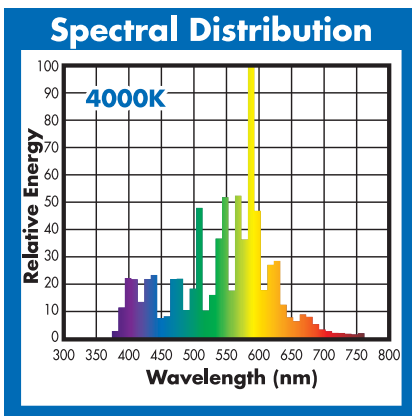
Mercury Amount (mg)	15.0
Picograms of Hg per Mean Lumen Hour	115

## NOTES

- Lamp performance ratings published in this data sheet are based upon operation with magnetic ballasts.
- Performance ratings of Universal lamps are based upon Vertical ( $\pm 15^\circ$ ) operation.
- Dimming applicable only when lamp is installed in the Base Up  $\pm 15^\circ$  (BU $\pm 15^\circ$ ) position.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).

## Change Just the Lamp:

- Complete electrical compatibility with HPS systems
- Designed for photometric compatibility with HPS systems
- Clear and coated outer jacket options
- Shrouded open-rated lamps available in 250 and 400 watts
- Excellent color rendering (65-70 CRI vs. 22 CRI for HPS)



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**VentureLighting.com**

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.