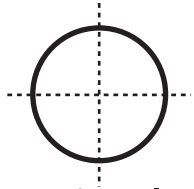




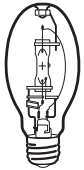
## Energy Master<sup>®</sup> Probe Start Metal Halide Energy Saving Retrofit Lamps

Change Just the  
Lamp and Save



Universal  
Any Position

ED28



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

## MH 150W/U/ED28/EM GENERAL Characteristics

Lamp Type	Standard MH Single Ended
ANSI Code	M107/E (M57/E Comp.)
Bulb Shape	ED28
Base Type	Mogul (E39)
Bulb Finish	Clear
Rated Life	10000 hours
Operating Position	Universal

## PHOTOMETRIC

Initial Lumens	13500
Lumens Per Watt	90
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	18.0 mm
Max. Base Temperature (°C)	210
Max. Bulb Temperature (°C)	400
Socket Pulse Rating (KV)	-
Luminaire Type	Enclosed Rated

## ELECTRICAL

Lamp Watts	150
Lamp Oper. Voltage (Nom.)	110
Energy Saving Replacement for	175W Probe Start MH
Watts Saved	25
Dimming	50% Rated Power

## SUSTAINABILITY

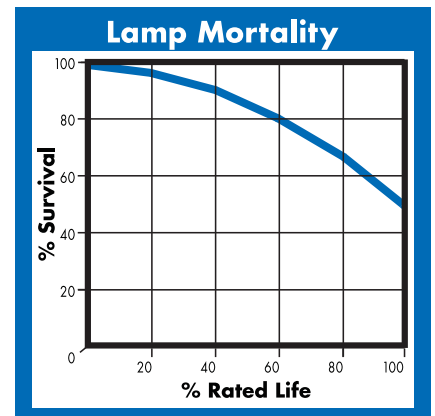
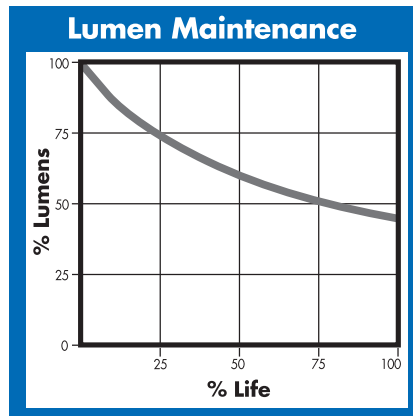
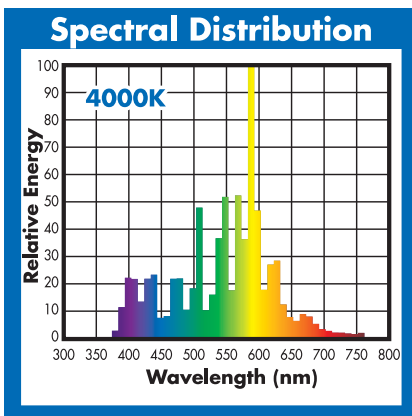
Mercury Amount (mg)	17.5
Picograms of Hg per Mean Lumen Hour	199

## 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:

- No need to change luminaires or ballasts
- Save on energy consumption
- Safe alternative - Open-rated lamps available in 360 watt standard probe start metal halide lamps
- Indoor or outdoor, Energy Master lamps are perfect for energy savings in any application



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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.