



MS 450W/C/V/PS/737

GENERAL Characteristics

| | |
|--------------------|-----------------------------|
| Lamp Type | MH Pulse Start Single Ended |
| ANSI Code | M144/E |
| Bulb Shape | ED37 |
| Base Type | Mogul (E39) |
| Bulb Finish | Coated |
| Rated Life | 30000 hours |
| Operating Position | Vertical $\pm 15^\circ$ |
| Dimming | 50% Rated Power |

PHOTOMETRIC

| | |
|------------------------------------|------------------------|
| Initial Lumens | 47000 |
| Scotopic Lumens (S/P 1.7) | 80000 |
| Lumens Per Watt | 104 |
| Lamp Lumen Depreciation (LLD) | .86 (86%) @ 8000 hours |
| Correlated Color Temperature | 3700K |
| Chromaticity Coordinates (CIE-x,y) | .395 .390 |
| Color Rendering Index (CRI) | 70 |

PHYSICAL

| | |
|--|----------------|
| Bulb Diameter | 4.6" (120mm) |
| Max. Overall Length (MOL) | 11.5" (292mm) |
| Light Center Length (LCL) | 7.0" (178mm) |
| Effective Arc Length | N/A |
| Max. Base Temperature ($^\circ\text{C}$) | 230 |
| Max. Bulb Temperature ($^\circ\text{C}$) | 450 |
| Socket Pulse Rating (KV) | 4 |
| Luminaire Type | Enclosed Rated |

ELECTRICAL

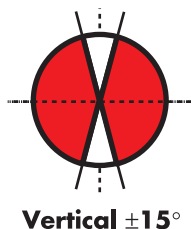
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|---------------------------|-----|
| Lamp Watts | 450 |
| Lamp Oper. Voltage (Nom.) | 135 |

SUSTAINABILITY

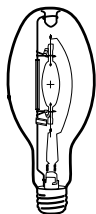
| | |
|--------------------------------------|------------------------------------|
| Recycling Program | Smartpac [®] 800-451-2606 |
| Picograms Hg per Mean Lumen Hour | 50 |
| MR-Credit 4 Reduced Mercury in Lamps | 1 LEED point |
| EISA 2007 Compliant | Yes |

NOTES

Lamp performance ratings published in this data sheet are based on operation with approved electronic ballasts. Performance 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. **LEED V3, MR CREDIT 4: Sustainable Purchasing - Reduced Mercury in Lamps is awarded 1 point for projects which at least 90% of all mercury-containing lamps purchased during the performance period comply and meet the target for mercury content of 90 picograms per lumen-hour or less.



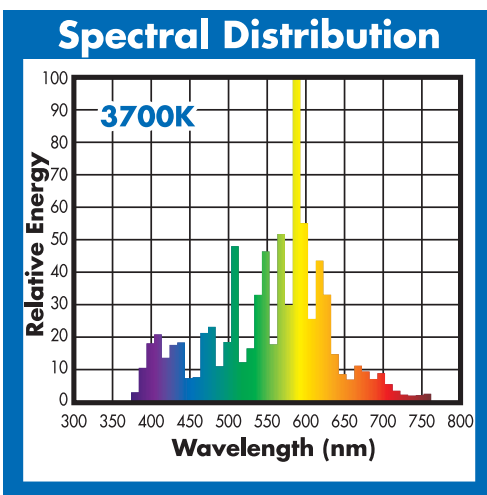
ED37



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

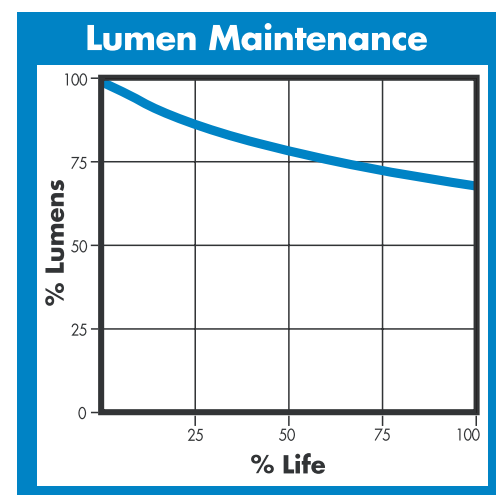
(800) 451-2606
or (440) 248-3510

Fax: (800) 451-2605
10295 Philipp Parkway
Streetsboro, Ohio 44241 USA
E-mail: venture@adlt.com
VentureLighting.com



THIS LAMP CONFORMS TO FEDERAL STANDARD 21 CFR 1040.30

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.



This Product is Recyclable Through  Smartpac[®]
THE RECYCLING RESOURCE