



PRODUCT SPECIFICATION BULLETIN

SM.400W.H37.WDX

**SUNMASTER®
Warm Deluxe
Metal Halide Grow Lamp**

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|-------------------------|---------------------------|
| Lamp Type | SINGLE ENDED METAL HALIDE |
| Product Number | 80029 |
| ANSI Designation | M59/E |

Performance Data

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|------------------------------------|------------------|
| Initial Lumens | 38000 |
| PAR Watts | 110 |
| Rated Life (Hrs. @10 Hr. / Start) | 20000 |
| Correlated Color Temperature K | 3200 |
| Chromaticity (CIE -X,Y) | .420 .395 |
| Color Rendering Index (CRI) | 65 |
| Typical Warm Up Time (Minutes) | 3-5 |
| Typical Hot Restart Time (Minutes) | 8-12 |
| Burning Position | HORIZONTAL ± 45° |

Physical Data / Requirements

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|----------------------------|-------------------------|
| Base Designation | MOGUL POMB (EP39) |
| Bulb Designation | ED37 |
| Bulb Diameter | 4 5/8" |
| Max. Overall Length (MOL) | 11 1/2" |
| Light Center Length (LCL) | 7" |
| Effective Arc Length | 35.4 mm |
| Max. Base Temperature (°C) | 210 |
| Max. Bulb Temperature (°C) | 400 |
| Luminaire Type | ENCLOSED |
| Socket Pulse Rating (KV) | - |
| Socket Style | POSITION ORIENTED MOGUL |

Electrical Data / Requirements

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| Lamp Wattage | 400 |
| Operating Voltage (Nominal) | 135 |
| Operating Current (Amps) | 3.2 |
| Min. Open Circuit Voltage (RMS) | - |
| Min. -Max. Starting Pulse (Peak V) | - |
| Min. Pulse Width At 2700 Volts (u sec) | - |
| Min. Pulse Rate Per 1/2 Cycle | - |
| Pulse Position (Min. % OCV Peak) | - |

Revision: 11/17/2004 1941 - 4

Notes

- ▶ Permitted rotation about axis ± 15°.

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.