MH 400W/C/U
GENERAL Characteristics

- Lamp Type: Standard MH Single Ended
- ANSI Code: M59/E
- Bulb Shape: ED37
- Base Type: Mogul (E39)
- Bulb Finish: Coated
- Rated Life (H): 15000 hours
- Rated Life (V): 20000 hours
- Operating Position: Universal

PHOTOMETRIC

- Initial Lumens / LPW (V): 34000 / 85
- Initial Lumens / LPW (H): 30600 / 77
- Lamp Lumen Depreciation (LLD): 0.65 (65%) @ 8000 hours
- Correlated Color Temperature: 3700K
- Chromaticity Coordinates (CIE-x,y): .395 .390
- Color Rendering Index (CRI) R*: 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 (°C): 210
- Max. Bulb Temperature (°C): 400
- Socket Pulse Rating (KV): N/A
- Luminaire Type: Enclosed Rated

SUSTAINABILITY

- Mercury Amount (mg): 55.0
- Picograms of Hg per Mean Lumen Hour (V): 124

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 (±15°) operation.
- Dimming applicable only when lamp is installed in the Base Up ±15° (BU±15°) position.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).

ELECTRICAL

- Lamp Watts: 400
- Lamp Oper. Voltage (Nom.): 135

Lamp Mortality

% Survival vs. % Rated Life

- 100% Survival at 0% Life
- 50% Survival at 50% Life
- 0% Survival at 100% Life

Lumen Maintenance

% Lumens vs. % Life

- 100% Lumen Maintenance at 0% Life
- 75% Lumen Maintenance at 50% Life
- 25% Lumen Maintenance at 100% Life

Spectral Distribution

- 3700K Color Temperature
- Relative Energy vs. Wavelength (nm)
- Wavelength range: 300 to 800 nm

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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