MS 400W/HOR/ED28

GENERAL Characteristics

Lamp Type  Standard MH Single Ended
ANSI Code   M59/E
Bulb Shape  ED28
Base Type   Mogul POMB (EP39)
Bulb Finish Clear
Rated Life  20000 hours
Operating Position  Horizontal ±45°

PHOTOMETRIC

Initial Lumens  40000
Lumens Per Watt  100
Lamp Lumen Depreciation (LLD)  0.65 (65%) @ 8000
Correlated Color Temperature  4000K
Chromaticity Coordinates (CIE-x,y)  .385 .390
Color Rendering Index (CRI) Rₐ  65

PHYSICAL

Bulb Diameter  3.5" (90mm)
Max. Overall Length (MOL)  8.3" (211mm)
Light Center Length (LCL)  5.0" (127mm)
Effective Arc Length  30.9mm
Max. Base Temperature (°C)  230
Max. Bulb Temperature (°C)  450
Socket Pulse Rating (KV) -
Luminaire Type  Enclosed Rated

ELECTRICAL

Lamp Watts  400
Lamp Oper. Voltage (Nom.)  135
Dimming

SUSTAINABILITY

Mercury Amount (mg)  53.8
Picograms of Hg per Mean Lumen Hour  103

NOTES

- Lamp performance ratings published in this data sheet are based upon operation with magnetic ballasts.
- Operation of position-rated lamps outside of their tolerances will result in poor performance.
- Permitted rotation about axis ± 15°.
- To calculate nighttime Scopopic lumens, multiply the lumen rating by the S/P ratio (1.7).

Dia. = 3.5" (90mm)
MOL = 8.3" (211mm)
LCL = 5.0" (127mm)
Base = Mogul POMB (EP39)