

400 Watt Probe Start Lamp

59441

DATA SHEET

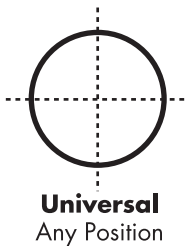


White-Lux®

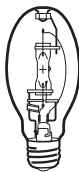
Retrofit Lamps
for HPS Fixtures

Switch To Bright,
White Light
From Existing
HPS Fixtures

As Simple as a
Change of a Lamp



ED28



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

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MH 400W/U/LU/ED28

GENERAL Characteristics

Lamp Type	Standard MH Single Ended
ANSI Code	S51/E Compatible
Bulb Shape	ED28
Base Type	Mogul (E39)
Bulb Finish	Clear
Rated Life	20000 hours
Operating Position	Universal
Dimming	50% Rated Power

PHOTOMETRIC

Initial Lumens	41000
Scotopic Lumens (S/P 1.7)	70000
Lumens Per Watt	95
Lamp Lumen Depreciation (LLD)	.65 (65%) @ 8000 hours
Correlated Color Temperature	4000K
Chromaticity Coordinates (CIE-x,y)	.385 .390
Color Rendering Index (CRI) or (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	35.4 mm
Max. Base Temperature (°C)	230
Max. Bulb Temperature (°C)	450
Socket Pulse Rating (KV)	4
Luminaire Type	Enclosed Rated

ELECTRICAL

Lamp Watts	430
Lamp Oper. Voltage (Nom.)	-
Metal Halide Replacement for	LU 400

SUSTAINABILITY

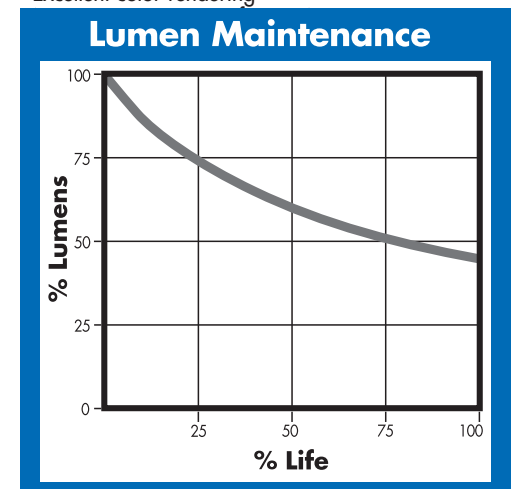
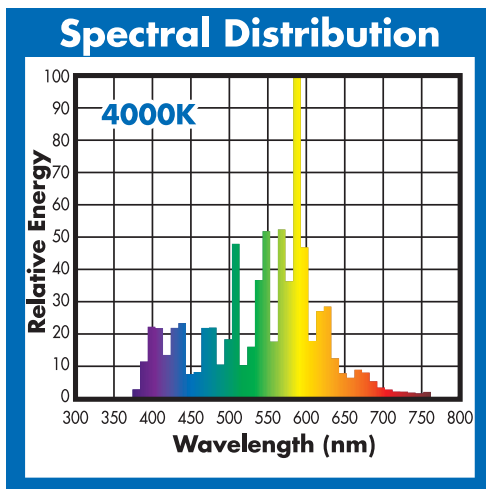
Recycling Program	Smartpac® 800-451-2606
Picograms Hg per Mean Lumen Hour	71
MR-Credit 4 Reduced Mercury in Lamps	1 LEED point

NOTES

Lamp performance ratings published in this data sheet are based on 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.

Change Just the Lamp:

- Complete electrical compatibility with HPS systems
- Designed for photometric compatibility with HPS systems
- Clear and coated outer jacket options
- Shrouded open-rated lamps available in 250 and 400 watts
- Excellent color rendering



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.

This Product is Recyclable Through Smartpac