

MHL 140W/U/ED28/PS/740

GENERAL Characteristics

| | |
|--------------------|-----------------------------|
| Lamp Type | MH Pulse Start Single Ended |
| ANSI Code | M189/E |
| Bulb Shape | ED28 |
| Base Type | Mogul (E39) |
| Bulb Finish | Clear |
| Rated Life | 40000 hours |
| Operating Position | Universal |
| Dimming | 50% Rated Power |

ELECTRICAL

| | |
|---------------------------|-----|
| Lamp Watts | 140 |
| Lamp Oper. Voltage (Nom.) | 95 |

SUSTAINABILITY

| | |
|--------------------------------------|------------------------|
| Recycling Program | Smartpac® 800-451-2606 |
| Picograms Hg per Mean Lumen Hour | 46 |
| MR-Credit 4 Reduced Mercury in Lamps | 1 LEED point |
| EISA 2007 Compliant | Yes |

SUPER PULSE START

Long Life (SPL)

Extended Life Lamps

PHOTOMETRIC

| | |
|------------------------------------|-------------------------|
| Initial Lumens | 13000 |
| Scotopic Lumens (S/P 1.7) | 22100 |
| Lumens Per Watt | 93 |
| Lamp Lumen Depreciation (LLD) | .80 (80%) @ 16000 hours |
| Correlated Color Temperature | 4000K |
| Chromaticity Coordinates (CIE-x,y) | .385 .390 |
| Color Rendering Index (CRI) | 68 |

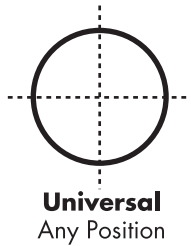
NOTES

Lamp performance ratings published in this data sheet are based on operation with approved electronic ballasts. Performance ratings of Universal lamps are based upon vertical ($\pm 15^\circ$) operation. 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.

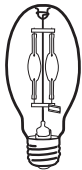
PHYSICAL

| | |
|--------------------------------------------|----------------|
| Bulb Diameter | 3.5" (90mm) |
| Max. Overall Length (MOL) | 8.3" (211mm) |
| Light Center Length (LCL) | 5.0" (127mm) |
| Effective Arc Length | 19.0mm |
| Max. Base Temperature ($^\circ\text{C}$) | 210 |
| Max. Bulb Temperature ($^\circ\text{C}$) | 400 |
| Socket Pulse Rating (KV) | 4 |
| Luminaire Type | Enclosed Rated |

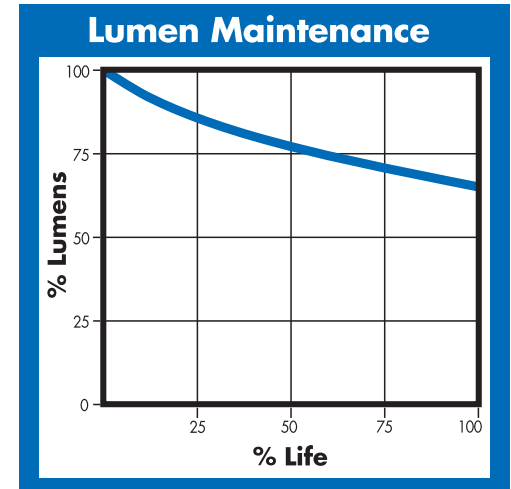
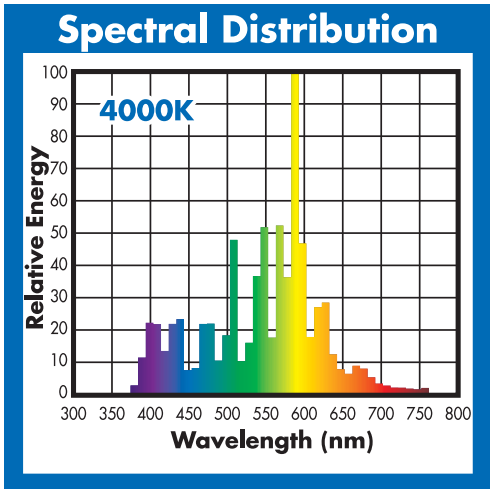
Patent Pending



ED28



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



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
FOR RECYCLING PURPOSE

Revision: 8/19/2011 # 3007-1