

# 140 Watt Pulse Start Lamp

# 56421 DATA SHEET

UNIFORM PULSE START METAL HALIDE LIGHTING SYSTEMS

## MHL 140W/C/U/ED28/PS/737

### GENERAL Characteristics

Lamp Type	MH Pulse Start Single Ended
ANSI Code	M189/E
Bulb Shape	ED28
Base Type	Mogul (E39)
Bulb Finish	Coated
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	48
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	12400
Scotopic Lumens (S/P 1.7)	21100
Lumens Per Watt	89
Lamp Lumen Depreciation (LLD)	.80 (80%) @ 16000 hours
Correlated Color Temperature	3700K
Chromaticity Coordinates (CIE-x,y)	.395 .390
Color Rendering Index (CRI)	70

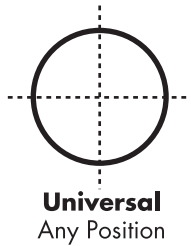
### NOTES

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.

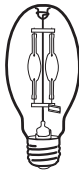
### PHYSICAL

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

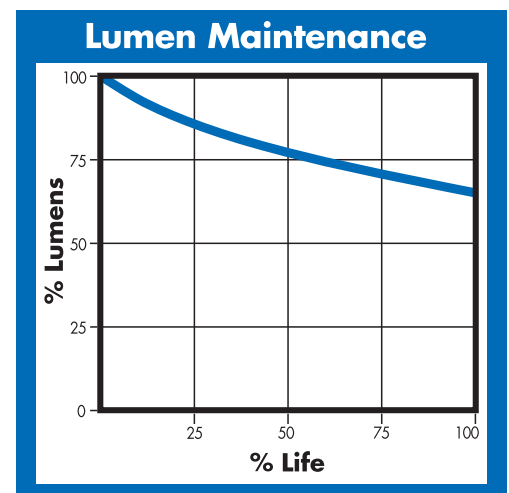
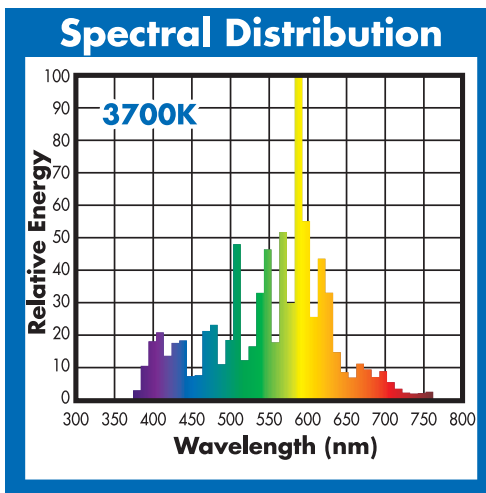
Patent Pending



**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 PURPOSES

Revision: 8/19/2011 # 3008-1

VIL-09925S11-0411