750W PulseArc™

RETROFIT FOR 1000W METAL HALIDE. UP TO $440 ENERGY SAVINGS. 33% LONGER LIFE.

GE EXCLUSIVE 750-WATT PULSEARC™ MULTI-VAPOR® LAMPS.

GE s new 750-watt PulseArc" Multi-Vapor lamps offer signi cant energy savings $440 per lamp* while providing comparable light over life and longer life than most 1000-watt standard metal halide lamps.

Applications

- Industrial Lighting
- Warehouse
- Parking Areas
- General Lighting

25% energy cost savings. GE 750W PulseArc System reduces energy use by 270 watts vs. 1000W Metal Halide Systems, resulting in a $440* per lamp savings in energy costs over lamp life.

Longer life and high lumen maintenance reduces costs.

33% longer life (16,000 hours vs. 12,000 hours) and higher maintenance (75% vs. 65%) vs. 1000W metal halide means longer useful lamp life and lower lamp replacement and labor costs.

Crisp white light. The outstanding performance of the 750W PulseArc lamp also make it an ideal upgrade from high pressure sodium (HPS) lighting, giving users the advantages of crisp, white metal halide light with good ef ciency and lumen maintenance.

Compact package. An optimized system designed jointly with major ballast and xture manufacturers has resulted in a compact light package that offers maximum design flexibility to meet today's space and aesthetic needs.

** Based on 10¢ per KWH utility rate over lamp life, includes energy savings from new ballasts.*

GE Lighting

750-Watt PulseArc™ Multi-Vapor® Lamp

Performance Data

PRODUCT INFORMATION	CLEAR 750-WATT
Product Code	27219
ANSI Code	M149
Description	MVR750/VBU/PA
Physical Characteristics	
Burning Position	Vert. Base Up Only
Bulb Designation	BT37
Bulb Material	Hard Glass
Base Type	Mogul (E39)
Socket Type	Standard Mogul
Socket Rating	4KV
Bulb Nominal Diameter, mm (inches)	117.5 (4 5/8")
Light Center Length, mm (inches)	178 (7")
Maximum Overall Length, mm (inches)	292 (11 5/16")
Effective Arc Length, mm	68
Maximum Bulb Temperature °C	450°C
Maximum Base Temperature °C	250°C
Maximum Eccentricity: Bulb to Base	3°
Maximum Eccentricity: Bulb to Arc Axis	3°
Luminaire Characteristics	Open or Enclosed
Electrical Characteristics	
Nominal Lamp Watts	750
Nominal Lamp Volts	200
Nominal Lamp Amps—Starting	6.5
Nominal Lamp Amps—Operating	4.0
Maximum Current Crest Factor	1.8
Minimum Open Circuit Voltage (RMS)	330
Minimum Open Circuit Voltage (Peak)	466
Photometric Characteristics	
Reference—Initial Lumens	80,000
Reference—Mean Lumens (40% Rated Life)	60,000*
Average Rated Life (Hours)	16,000
Color Rendering Index (Ra) CRI @ K	65 @ 4000K
Warm-up Time (Minutes) to 90%	< 2 Min.
Hot Restart Time (Minutes) to 90%	< 7 Min.
Chromaticity Coordinates: X-	.391
Chromaticity Coordinates: Y-	.392

* Preliminary Engineering Estimates

CAUTION: The following operating instructions must be complied with to help avoid possible shattering and early failure of the lamp.

Metal halide lamps are constructed of an outer bulb with an internal arc tube made of quartz. The arc tube operated under high pressure at very high temperatures—as high as approximately 1100C. The arc tube and outer bulb may unexpectedly rupture due to internal causes or external factors such as a system failure or misapplication.

- Relamp Fixtures At or Before the End of Rated Life—Beyond rated life, light output diminishes while energy consumption and risk of rupture increases.
- Lamp must only be operated in the types of fixtures prescribed in this specification bulletin. When used, fixture lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100C). If in doubt, contact your fixture manufacturer.
- In continuous operating systems (24 hour/day, 7 days/week), turn lamps off once per week for at least 15 minutes. Failure to comply increases the risk of rupture.

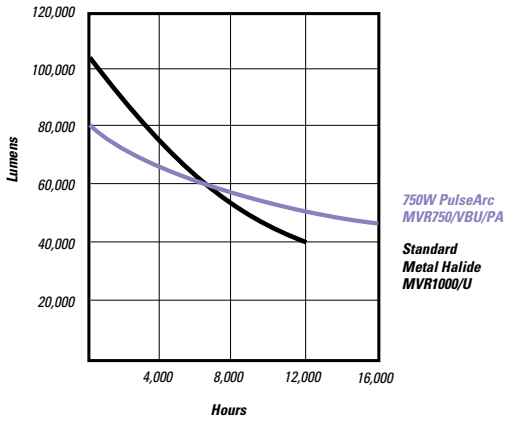
Important Notice: In accordance with Federal Standard 21CFR 1040.30, the following notice applies to the Mercury lamps described above.

Warning: This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if outer envelope of the lamp is broken or punctured, and the arc tube continues to operate. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain types of lamps that will automatically be extinguished when the outer envelope is broken or punctured are commercially available from GE Lighting. These are self-extinguishing SAF-T-GARD® Mercury and Multi-Vapor lamps.

For applicable safety notices and operating instructions, consult the lamp packaging. Further information is also available in the GE Lamp Products Catalog (publication 86040).

For definitions of terms used in these specifications, consult the GE Lamp Products Catalog (publication 86040).

Lumen Maintenance



GE PulseArc™ Ballast Options

PRODUCT CODE	DESCRIPTION	CIRCUIT TYPE	INPUT VOLTAGE
46934	P750MLTAC5M500K	CWA	120/208/240/277
46936	P75048TAC5M500K	CWA	480
46938	P750TRIAC5M500K	CWA	120/227/347

Includes ballast, ignitor, capacitor, mounting hardware, and instructions

EPA Green Lights an Energy Star program Ally

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GE Lighting

For complete product information, visit the GE Web site at www.GELighting.com

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