

Symphon-e™

Electronic HID
Ballast Technology

Conditions and orchestrates electrical power for optimal metal halide lamp performance

Same light levels, 24% less energy compared to magnetic CWA ballasts!

- ✓ Reduced Power Consumption
- ✓ Extended Lamp Life
- ✓ Improved Lamp Performance Over Life
- ✓ Suitable for High Temperature Environments
- ✓ Operates in the VLF-LF (FCC)
- ✓ High Power Factor (>0.96)
- ✓ Low Harmonic Distortion (<15%)
- ✓ Microcontroller-based Design
- ✓ Programmed Starting Sequence
- ✓ Time-limited Ignition Pulse
- ✓ Die-cast Aluminum Housing
- ✓ No Audible Noise
- ✓ Smaller, Lightweight

Eliminates -

- Flicker
- Stroboscopic Effect



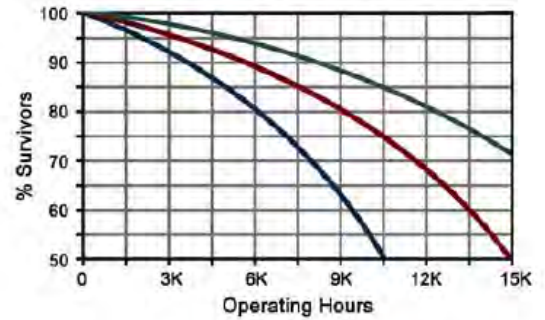
Energy Effective Lighting
Stingray 

Dimensional and Performance Data

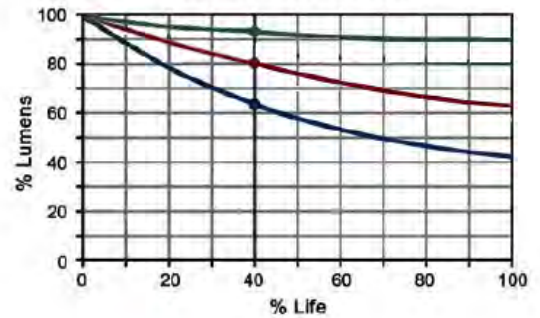


Notes: 1) Data based on burning duty cycle of 10 hours per start. Other duty cycles may require application of prorating/derating factor as appropriate.
2) Opening for 3/4" electrical pipe feed when hook attachment is not used.

Lamp Mortality



Lumen Depreciation



- 250W Pulse Start (Symphon-E™ Ballast)
- 250W Pulse Start (Magnetic Ballast)
- 250W Probe Start (Magnetic Ballast)

Electrical Characteristics

INPUT

Rated Input • 208-277VAC
Input Frequency • 50/60 Hz
Power Factor • >0.96%
Ballast Efficiency • >95%
THD • <15%

OUTPUT

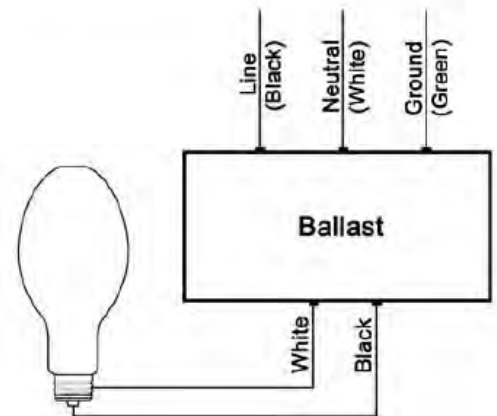
200W +/- 1.5% for lamps specifying M136 Ballast
250W +/- 1.5% for lamps specifying M138 or M153 Ballast
Crest Factor <1.5
Operating Frequency • Greater than 190KHz
Ignition pulse: 3.0 - 4.0KV

PROTECTION

Safety shutdown to prevent excessive pulsing of failed lamps (Recycle power to reset)
Thermally protected to safely shut off power supply if over-temperature condition occurs
Replaceable fuses protect internal circuitry

RATINGS

UL and CSA Approval
Sound rating "A"
Suitable for recessed use
Housing rated for Outdoor Type 1 usage
No PCB Components
Built under ISO 9002 Quality System Standards
Operating Temperature Range • -20°C to 50°C



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