

ECT HID electronic ballast summary specifications for 250W high-pressure sodium, and pulse start quartz and ceramic metal halide lamps. *Catalog Number: LF/220/250W/HPS/MH-PS*

(SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE)

1. Lamp Types: 250W high-pressure sodium, and pulse start quartz and ceramic metal halide lamps
2. Nominal Line Voltage: 208-265VAC, 50/60 Hz
3. Operating Voltage Range: 195VAC – 270VAC
4. Voltage Range for Lamp Power Regulations: 208VAC – 265VAC
5. Input Power Drawn @ Nominal Line Voltage $264 \pm 2W$
6. Ballast Loss @ 95V lamp voltage $\sim 22W$; @ 100V lamp voltage $\sim 20W$; and @ 132V $\sim 19W$
7. Lamp Waveform: ~ 148 Hz square wave
8. Lamp Current Crest Factor ~ 1.3
9. Lamp Polarity Waveform Transition Time ~ 10 micro-second
10. Ballast Factor (BF) @ Nominal Lamp Voltage: 1
11. HPS Lamp Watts Over Life: Within trapezoid
12. Power Conversion Efficiency $> 92\%$
13. Initial Turn-on Line Inrush Current Limiting: Yes
14. Power Factor > 0.95
15. Total Harmonic Distortions $< 15\%$
16. EMI/RFI: Meets or Exceeds FCC Part 18C Non Consumer Limits
17. Ignition Mechanism: Progressively growing ignition (PGI™) pulses
18. Repetitive Ignition Pulse Train Intervals ~ 10 seconds
19. Nominal Ignition Peak Pulse Height: 3.2 kV
20. Lamp Rectification Protections: Yes
21. AC Line Transients and Output Short Circuit Protections: Yes
22. AC Line Under and Over Voltage Protections: Yes
23. Input Fusing: Yes, 3A
24. Ballast Case Temperature Rise Over Ambient: 20 degree Celsius
25. Thermal Protection: Yes
26. Minimum Starting Temperature: (-) 30 degree Celsius
27. Approximate Weight: 2.5 pounds