

HID HAS GONE GREEN



EMH0450

Electronic HID 250W – 450W Metal Halide
Performance Dimming Ballasts from Robertson.

- 208V – 277V
- 97% Efficiency
- High Frequency Sign Wave Operation
- Digital Controlled Ignition
- Analog or Digital Control Dimming
- Improved Lumen Maintenance
- Longer Lamp Life

 **Robertson** WORLDWIDE™
INNOVATIVE LIGHTING SOLUTIONS

ON, AND ON, AND ON



Electronic HID

250 - 450W Metal Halide

EMH0450

Specifications

| | | | | | |
|------------------|-----------------|---------------|---------------------------|------------------|-----|
| Ballast Type: | Electronic HID | Circuit Type: | High Frequency Electronic | Weight: | TBD |
| Input Voltage: | 208 thru 277VAC | Lamp Type: | Metal Halide | Carton Quantity: | TBD |
| Input Frequency: | 50-60 Hz | Unit Color: | TBD | Skid Quantity: | TBD |

Operating Specifications

| | |
|-----------------------------|--|
| Dimensions | 8.125 L x 4.250 W X 2.7 H (inches) Available in custom OEM configuration integral to the Lamp fixture design |
| Operating temperature range | -30°C to + 65° C |
| Case Temperature | 85°C Max |
| Operating Humidity | 0 to 95% RH non-condensing |
| Agency approvals | UL/1029 |
| Transient protection | Meets ANSI/IEEE C62.41.2, Location categories A & B 100kHz Ring wave test requirements and C62.41.2 1.2 Combination Wave Location Cat. A and B up to 6kV |
| EMC | Meets FCC title 47 Part 18 (non-consumer) |
| Harmonics | Fully complies with EN61000-3-2 |
| Patents | Several patents pending based on unique design characteristics |

General Input specifications

| | |
|--------------------------|--|
| Input Voltage | 208 to 277VAC $\pm 10\%$ |
| Input Frequency | 50 to 60 Hz |
| Inrush current | < 25A with active inrush limiting circuitry |
| Input current protection | Internal fuse plus an active thermal cut out circuit |
| Lumen maintenance | > 90% over lamp life |
| Dimming Options | 0-10 volt continuous dimming from 100% of light output down to 50%. Plug in cards available to interface with Zigbee and other control software |

Output Specifications

| | |
|----------------------|------------------|
| Operating Frequency | 101kHz to 127kHz |
| Open circuit voltage | 350 V nominal |
| Ignition voltage | < 4kV |

Drawings

| | |
|-----|--|
| TBD | |
|-----|--|

Robertson Worldwide

13611 Thornton Road • Blue Island, IL • 1 800.323.5633 • Fax: 877.388.2420 • www.robertsonww.com

Specifications subject to change without notice.

Rev. 4/28/09