

ELECTRONIC HIGH-EFFICIENCY UNIVERSAL VOLTAGE BALLAST - NEMA PREMIUM

American Ballast has once again revolutionized the lighting industry and is pleased to present our latest line of high-efficiency ballast technology. Our new product line is designed to conserve energy and deliver optimal performance to bring you high-efficiency, multi-voltage ballasts for all applications. Our ballasts operate one, two, three or four T8 lamps with installer-simplicity universal input voltage (108-305 volts).

Our high-efficiency electronic ballasts produce greater energy savings, provide a more efficient product, and can save your customers up to 45% in energy costs by replacing conventional ballasts. Your customers will experience maximum light output and minimum power usage. Our ballasts also feature parallel lamp operation, which means that all other lamps will continue to operate normally in the event of a single

lamp failure. The National Electrical Manufacturers Association established the NEMA Premium® Ballast Program in accordance with standards established by the Consortium for Energy Efficiency (CEE). American Ballast is among the members of the ballast program, offering products that represent the industry's leading energy-saving products.

THE BALLAST OF CHOICE

- Consumes less input watts than standard efficiency electronic ballast
- Consumes less energy than Rapid-start ballasts
- Independent lamp operation
- Ballast factor of 0.88
- Universal input voltage
- Low profile enclosures
- Substantial energy savings
- Provides silent, flicker-free operation
- Anti-striation control



FEATURES

- Lamp current crest factor of <math><1.7</math>
- Class A noise rated for quiet operation
- Remote mounting capability of up to 20'
- Operates at >40Khz to avoid interference with infrared control systems
- Minimum lamp temperature of 0°F (-18°C)
- Same wiring and mounting footprint as conventional ballasts for ease of installation
- Operates within $\pm 10\%$ of ballast specified line voltage at 50/60 Hz.
- Maximum case temperature of 90°C
- Exceptional power quality with a power factor of >0.98 and THD <math><10\%</math>
- Instant start with parallel circuit configuration
- Outperforms both Rapid-start and instant start ballasts for short-cycle and frequently switched applications

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BALLAST CERTIFICATIONS

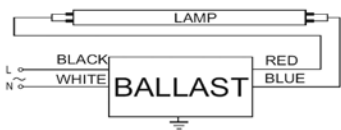
American Ballast products:

- meet the requirements of the Federal Communications Commission rules and regulations
- comply with all applicable State and Federal efficiency standards
- are Underwriters Laboratories (UL & CuL) Listed
- are produced in a factory certified to ISO9000 and ISO14000
- meet ANSI requirements
- meet FCC Part 18 (Class A)
- do not contain any Polychlorinated Biphenyl (PCBs)
- carry a five-year warranty
- meet NEMA and CEE high performance T8 lighting ballast specifications



WIRING DIAGRAMS

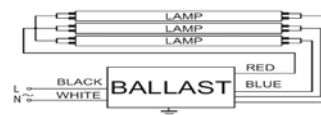
AB1-32-IP-UNV-HE



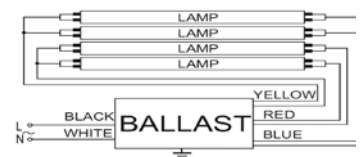
AB2-32-IP-UNV-HE



AB3-32-IP-UNV-HE



AB4-32-IP-UNV-HE



| Catalog Numer | Lamp Type | Quantity | Volts | Input Watts | Line Amps | Power Factor | Ballast Factor | THD |
|-------------------------|-----------|----------|-------|-------------|-----------|--------------|----------------|------|
| AB1-32-IP-UNV-HE | | | | | | | | |
| | F32T8 | 1 | 120 | 29 | 0.24 | >.98 | .91 | <10% |
| | F32T8 | 1 | 277 | 29 | 0.11 | >.98 | .91 | <10% |
| AB2-32-IP-UNV-HE | | | | | | | | |
| | F32T8 | 2 | 120 | 56 | 0.47 | >.98 | .89 | <10% |
| | F32T8 | 2 | 277 | 56 | 0.21 | >.98 | .89 | <10% |
| AB3-32-IP-UNV-HE | | | | | | | | |
| | F32T8 | 3 | 120 | 83 | 0.74 | >.98 | .88 | <10% |
| | F32T8 | 3 | 277 | 83 | 0.31 | >.98 | .88 | <10% |
| AB4-32-IP-UNV-HE | | | | | | | | |
| | F32T8 | 4 | 120 | 109 | 0.93 | >.98 | .88 | <10% |
| | F32T8 | 4 | 277 | 109 | 0.40 | >.98 | .88 | <10% |

APPLICATIONS

- General lighting
- Decorative lighting
- Retail lighting
- Indirect lighting
- Occupancy sensor applications
- New construction and retrofit installations



FOR ADDITIONAL PRODUCT INFORMATION,
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