

## ELECTRONIC BALLAST FOR T8 LAMP APPLICATIONS

American Ballast presents a new line of innovative T8 ballast designed to bring significant energy savings, fixture design flexibility, long lamp life and installation simplicity. Our Standard Ballast offer low initial cost, proven performance and fast payback of investment through energy savings.

Electronic ballast will dramatically lower your customers' energy bills when compared to T12 energy-saving systems. Our broad selection of

rapid- and instant-start models provide flexibility to lighting fixture designers. All standard electronic ballast exceed recommended utility guidelines.

T8 ballast models feature a smaller and lighter design for reduced energy consumption. The ballast factor of 87% is ideal for retrofitting F40-T12 (34-watt) lamp/ballast systems, at the same time maintaining equivalent light levels.

American Ballast's High Ballast Factor products deliver maximum light output. We offer a 1.3 ballast factor which provides lighting design flexibility and offers a lower cost solution than T5 HO systems.

American Ballast's universal input voltage product line (108~305), with <10% THD, provides maximum fixture flexibility.

### THE BALLAST OF CHOICE

- Designed for maximum efficiency and energy savings
- Your best choice for T8 applications
- Normal and high light output models
- Flicker-free operation
- Auto-restrike capability eliminates need to reset power mains where failed lamps are replaced
- Industry standard low-profile case design promotes flexibility in fixture designs

### FEATURES

- Instant-start circuitry:
  - provides instant light
  - optimizes energy efficiency
  - provides low-cost advantage
- Remote mounting capability of up to 20'
- Minimum lamp starting temperature of 0°F (-18°C)
- Internal ballast fuse to maintain branch circuit integrity
- Inherent thermal protection
- Conform to ANSI requirements



- Potted for cooler operation and longer ballast life
- Class A noise rated for quiet operation
- All model ballast meet FCC Part 18, Subpart C, Class A (Class B application – contact Engineering)
- Meet ballast requirements of Energy Star® lighting fixture program
- Will withstand a sustained short to ground or open circuit of any output leads
- High frequency operation – no lamp flickering

- Quiet operation
- UL and CuL Listed

### GENERAL APPLICATIONS

- New Construction and Retrofit Installations
- Board and Meeting Rooms
- Conference Rooms
- General Office Lighting
- Executive Offices
- Hospitals
- Schools
- Department Stores

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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 and CuL) Listed and CSA Certified
- do not contain Polychlorinated Biphenyl (PCBs)
- carry a five-year warranty
- are produced in a factory certified to ISO9000 and ISO14000
- meet ANSI requirements
- meet requirements of the Energy Star lighting fixture program



## T8 - STANDARD

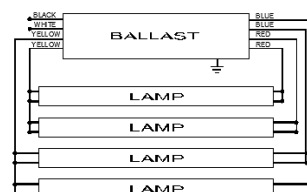
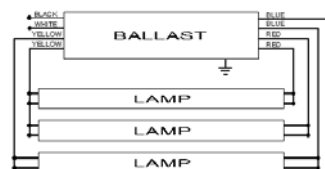
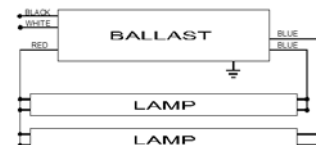
AMERICAN BALLAST PART NUMBER	APPLICATION
AB2-32-IP-UNV	2 or 1 lamp 32/25/17W T8 Universal Voltage (120-277)
AB3-32-IP-UNV	3 or 2 lamp 32/25/17W T8 Universal Voltage (120-277)
AB4-32-IP-UNV	4 or 3 lamp 32/25/17W T8 Universal Voltage (120-277)
AB1-32-IP-120	1 lamp 32/25/17W T8
AB2-32-IP-120	2 or 1 lamp 32/25/17W T8
AB3-32-IP-120	3 or 2 lamp 32/25/17W T8
AB4-32-IP-120	4 or 3 lamp 32/25/17W T8
AB1-32-IP-277	1 lamp 32/25/17W T8
AB2-32-IP-277	2 or 1 lamp 32/25/17W T8
AB3-32-IP-277	3 or 2 lamp 32/25/17W T8
AB4-32-IP-277	4 or 3 lamp 32/25/17W T8

## T8 - HIGH OUTPUT

AMERICAN BALLAST PART NUMBER	APPLICATION
AB2-32-IP-120-HX	2 lamp 32W T8 1.3 BF instant start
AB2-32-IP-277-HX	2 lamp 32W T8 1.3 BF instant start
AB2-32-PP-120-HX	2 lamp 32W T8 1.3 BF program start
AB2-32-PP-277-HX	2 lamp 32W T8 1.3 BF program start

All specification information is subject to change without notification 3/2006

## WIRING DIAGRAMS



For energy saving lamp applications – visit [www.americanballast.com](http://www.americanballast.com)

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT US:

phone: 888-313-8188

web: [www.americanballast.com](http://www.americanballast.com)

email: [information@americanballast.com](mailto:information@americanballast.com)

For engineering support, application and warranty information, call: 888-345-7648