

**ELECTRONIC FLUORESCENT****PRODUCT
OVERVIEW :**

Reliable and energy-efficient, Advance's broad line of standard electronic ballasts for T8 fluorescent lamps offers proven performance and fast payback of investment based on the up to 40% energy savings they drive relative to standard magnetic ballast models. A widely popular product that also qualifies for rebates by a host of utility demand-side management programs nationwide, Advance's line of standard electronic ballasts are ideal for a broad range of commercial retrofit and new construction applications.

With their high frequency operation providing quiet, flicker-free functioning, Advance's standard electronic ballasts can significantly reduce lighting costs when installed with modern, energy-efficient lamps in building retrofits. In addition, Advance's standard electronic ballasts fit the exact footprint of the magnetic ballasts they replace, enhancing ease of installation in retrofit applications.

Standard

for (1), (2), (3) or (4) F32T8, F25T8 and F17T8 Lamps

*Instant Start Standard
Electronic Ballasts***DESIGN HIGHLIGHTS:**

- Instant Start lamp ignition
 - Consumes less energy than Rapid Start ballasts
- 20ft. remote mounting/tandem wiring capability
 - Provides maximum application flexibility
- 0°F starting capability for standard lamps
 - Suitable for cold temperature applications
- <20% THD (>0.98 PF)
 - Delivers maximum system performance
 - Exceeds recommended utility guidelines for lighting systems
- Low profile housing
 - Promotes flexibility in fixture designs
 - Facilitates shipping, handling and installation
 - Physically interchangeable with standard electromagnetic and electronic ballasts
- Paralleled wired lamps
 - Independent lamp operation
 - Other lamps continue to operate when one fails
- Operates above 40kHz
 - Eliminates interference with Infrared Control Systems

APPLICATIONS:

- *General Lighting*
- *Board Rooms*
- *Executive Offices*
- *Conference Rooms*
- *Meeting Rooms*

Standard

BALLAST SPECIFICATIONS

Section I - Physical Characteristics

- 1.1 The electronic ballast shall be physically interchangeable with standard electromagnetic and standard electronic ballasts.
- 1.2 The electronic ballast shall have a maximum height of 1.18 in. and maximum weight of 1.8 lbs.
- 1.3 The electronic ballast shall be furnished with integral leads, color-coded to ANSI C82.11.

Section II - Performance Requirements

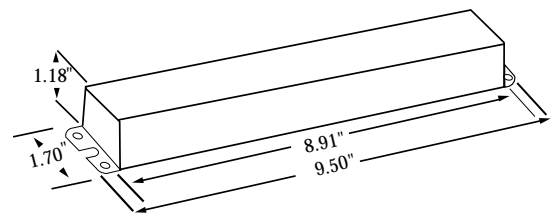
- 2.1 The electronic ballast shall operate from a nominal line voltage of 120 or 277 volts, +/-10%, 60Hz.
- 2.2 The electronic ballast input current shall have Total Harmonic Distortion (THD) of less than 20% when used with primary lamp.
- 2.3 The electronic ballast shall have a Power Factor greater than 98% when used with primary lamp.
- 2.4 The electronic ballast shall withstand a sustained short to ground or open circuit of any output leads.
- 2.5 Ballast shall have a Class A sound rating.
- 2.6 The electronic ballast output frequency to the lamps shall be above 40kHz to minimize interference with infrared control systems and eliminate visible flicker.
- 2.7 The electronic ballast shall meet ANSI C82.11.
- 2.8 The electronic ballast shall withstand transients specified in ANSI C62.41, Location Category A3.
- 2.9 The electronic ballast shall be Instant Start with independent lamp operation.
- 2.10 The electronic ballast shall have a Lamp Current Crest Factor of <1.7.

Section III - Regulatory Requirements

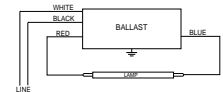
- 3.1 The electronic ballast shall meet the requirements of the Federal Communications Commission rules and regulations, Title 47 CFR part 18, for Non-Consumer equipment.
- 3.2 The electronic ballast shall comply with all applicable state and federal efficiency standards.
- 3.3 The electronic ballast shall be Underwriters Laboratories (UL) Listed (Class P) and Canadian Standards Association (CSA) Certified, where applicable.

Section IV - Other

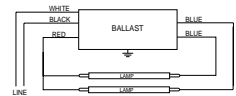
- 4.1 The electronic ballast shall be produced in a factory certified to ISO 9002 Quality System Standards.
- 4.2 The electronic ballast shall carry a five-year warranty from the date of manufacture. Warranty shall be valid for a maximum case temperature of 70°C.
- 4.3 The manufacturer shall have a fifteen-year history of producing electronic ballasts for the North American market.



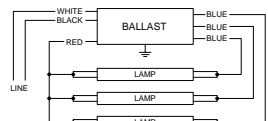
Dim. A



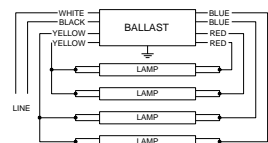
1-LAMP BALLAST



2-LAMP BALLAST



3-LAMP BALLAST



4-LAMP BALLAST

| Lamp Data | | Min. Start Temp. (F/C) | Input Volts | Catalog Number | Certifications | Line Current (Amps) | Input Power ANSI (Watts) | Ballast Factor | Max. THD % | Power Factor % | Dim. | Wiring Diagram | |
|--------------------------|-------|------------------------|-------------|----------------|----------------|---------------------|--------------------------|----------------|------------|----------------|------|----------------|---|
| No. | Watts | | | | | | | | | | | | |
| F32T8, FB031T8, F32T8/U6 | | | | | | | | | | | | | |
| 1 | 32 | 0/-18 | 120 | REL-1P32-SC | UL | CSA | 0.27 | 32 | 0.92 | 20 | 0.98 | A | 1 |
| | | | 277 | VEL-1P32-SC | | | 0.12 | | | | | | |
| | | | 120 | REL-2P32-SC | | | 0.34 | | | | | | |
| | | | 277 | VEL-2P32-SC | | | 0.15 | | | | | | |
| 2 | 32 | 0/-18 | 120 | REL-2P32-SC | UL | CSA | 0.49 | 58 | 0.88 | 20 | 0.98 | A | 2 |
| | | | 277 | VEL-2P32-SC | | | 0.21 | | | | | | |
| | | | 120 | REL-3P32-SC | | | 0.54 | | | | | | |
| | | | 277 | VEL-3P32-SC | | | 0.24 | | | | | | |
| 3 | 32 | 0/-18 | 120 | REL-3P32-SC | UL | CSA | 0.17 | 85 | 0.88 | 20 | 0.98 | A | 3 |
| | | | 277 | VEL-3P32-SC | | | 0.31 | | | | | | |
| | | | 120 | REL-4P32-SC | | | 0.79 | | | | | | |
| | | | 277 | VEL-4P32-SC | | | 0.34 | | | | | | |
| 4 | 32 | 0/-18 | 120 | REL-4P32-SC | UL | CSA | 0.94 | 112 | 0.88 | 20 | 0.98 | A | 4 |
| | | | 277 | VEL-4P32-SC | | | 0.41 | | | | | | |

F25T8, FB024T8, F17T8: Consult Advance Atlas for Specifications

