

# Basic-12<sup>®</sup>

## Basic Electronic Ballasts for T12 Lamp Applications

- Technology for Magnetic Ballast Replacements
- Exceeds Federal Ballast Efficiency Requirements

The **Basic-12<sup>®</sup>** ballast family is designed for replacement of magnetic T12 ballasts during fixture maintenance or in combination with relamping programs to reduce energy consumption.

**Basic-12<sup>®</sup>** ballasts provide electronic energy saving performance, generating energy savings of greater than 20% when replacing a magnetic ballasts while still using the same T12 lamps.

**Basic-12<sup>®</sup>** ballasts fully comply with today's new federal ballast efficiency requirements for installation into new fixtures as well as with the 2010 requirements for replacement ballasts. DOE compliant ballasts are available for use with both standard and energy saving lamps (Note: The B260I120M-A can only be used with energy saving F96T12 lamps.)

The **Basic-12<sup>®</sup>** product line covers the high volume requirements for T12 lighting:

- 1-Lamp F34 & F40T12, 120V
- 2-Lamp F34 & F40T12, 120V
- 1 or 2 - Lamp F34 & F40T12, 277V
- 2-Lamp F96T12 & F96T12/ES, 120-277V
- 2-Lamp F96T12HO/ES, 120-277V

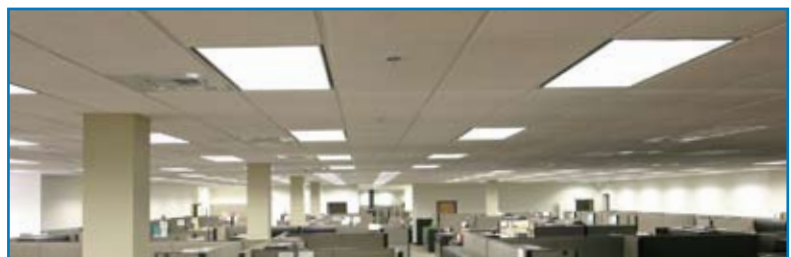


**F34/40T12 Rapid Start  
1.7 lb. Weight Reduction**

**Basic-12<sup>®</sup>** ballast is significantly smaller and weighs less than the ballast it is replacing.

### Features

- **Energy Efficient**
  - Greater than 20% increase in efficiency
  - Lowers lighting operation costs
- **Full Light Output**
  - Provides same light levels as magnetic ballasts being replaced
- **Quiet Operation**
  - Significantly quieter than magnetic ballasts
- **High Frequency Operation**
  - No lamp flickering
- **Light Weight - Low Profile Case**
  - Simplifies transportation & installation
  - Less interference with ballast channel cover during replacement
- **Slimline Ballasts Feature Parallel Lamp Operation**
  - When one lamp fails, other lamp remains lit
- **Same Warranty as Energy Saving Magnetic T12 Ballasts**
  - Three-year ballast warranty



Part Number	Lamp Application
B134R120M-A 000I	(1) F34T12 or F40T12, 120V
B234SR120M-A 000I	(2) F34T12 or F40T12, 120V
B234SR277M-A 000I	(1) or (2) F34T12 or F40T12, 277V
B260I120M-A 000I * °	(2) F96T12/ES, 120V
B260IUNVHP 000I	(2) F96T12 (Std & ES), 120-277V
B295SRUNVHP 000I	(2) F96T12HO, 120-277V

Basic-12<sup>®</sup> models are covered by a 36 month warranty. Visit [www.unvlt.com](http://www.unvlt.com) for additional warranty information.

\* For use with energy savings lamps only (F96T12/WM,SS,EV)

° B260I120M-A is shorter than standard magnetic ballast. A self-tapping screw may be required for mounting.

# T8 System Replacement

With the pending DOE standards for lamps there has never been a better time to upgrade your old T12 system to an energy savings T8 system. Effective July 14, 2012 new legislation will outlaw most of the common T12 lamps in the market today including the standard F40T12, F34T12, and F96T12 lamps.

Universal Lighting's ULTim8 high efficiency ballast family provides maximum energy savings for T8 lighting systems. Our full family of high performance T8 ballasts can cut energy bills by 40% compared to T12 systems.

Ballast	Lamp Type	# of Lamps	Mean Lamp Lumens	Ballast Factor	Watts	System Lumens	Relative System Lumens	Energy Savings (Watts)	Operational Savings Per Ballast
Magnetic	F34T12	2	2280	0.89	74	4058	100%	-	-
B232IUNVEL-A	F32T8 800 Series	2	2800	0.77	48	4312	106%	26	\$7.28
B232IUNVEL-A	F28T8	2	2590	0.77	43	3988	98%	31	\$8.68

\* Operational Savings is based on 3,500 hours annual usage with a utility rate of \$0.10 per KWh

## ULTim8 High Efficiency Ballast Family Features

- Available in low (.77), normal (.87), and high (1.18) ballast factors
- .77 ballast factor provides equivalent lumens to T12 systems for maximum energy savings.
- Designed for maximum efficiency
- Parallel lamp operation – when one lamp fails, others remain lit
- THD < 10%
- Same footprint as conventional ballasts
- Flicker-free quiet operation.
- Meets CEE and NEMA high performance T8 lighting ballast specifications
- Designed for use with F32, F25, F17T8 lamps including energy saving 30, 28, and 25 watt 4-foot T8 lamps

Part Number	Lamp Application
B132IUNVEL-A	(1) F32T8 or F28T8 @ 120-277V
B232IUNVEL-A	(1/2) F32T8 or F28T8 @ 120-277V
B332IUNVEL-A	(2/3) F32T8 or F28T8 @ 120-277V
B432IUNVEL-A	(3/4) F32T8 or F28T8 @ 120-277V

Maximize the performance of your lighting system with T8 lamps from Universal Lighting Technologies. Perfect for completing your energy-saving retrofit project, you also receive piece of mind with Universal Lighting's Lamp & Ballast System Warranty.



- Extended lamp warranty when Universal lamps and ballasts are installed as a system
- One Point contact for customers
- Consult System Security Guidelines at [www.unvlt.com](http://www.unvlt.com) for details

Linear T8 Lamp	Part Number	Lamp Life* Hours	Initial Lumens	Mean Lumens	CCT°(K)	CRI
F32T8/800	F32T8/835	24,000	2950	2800	3500	84
	F32T8/841	24,000	2950	2800	4100	84
	F32T8/850	24,000	2710	2710	5000	82
F28T8	F28T8/835	24,000	2725	2590	3500	84
	F28T8/841	24,000	2725	2590	4100	84
	F28T8/850	24,000	2600	2470	5000	82

\* Lamp life rating based on 3 hours of operational time per start and instant start ballast.

Specifications subject to change without notice  
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