

Electronic Ballasts for T8 Programmed Start Linear Fluorescent Lamps

ULTRASAVE

ULTRASAVE LIGHTING LTD.

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Product Overview

Ultrasave's latest extension to its T8 line is engineered with programmed start technology, prolonging lamp life in frequent on-off applications. Parallel lamp connection in these ballasts keeps remaining lamps lit should one of them fail. With multiple lamp capability, this series can operate 1, 2, 3, and 4-lamp, T8 32/25/17 watt lamp types and energy saving lamps at 120 to 277 and 347 volts, at 50/60 Hz. Designed to maximize energy savings, these ballasts offer the same light output as standard T8 electronic ballasts, while reducing energy costs. The ballasts also meet CEE high performance T8 lighting system specifications and comply with RoHS standards.

The latest addition to our comprehensive line of T8 ballasts is ideal for applications with frequent switching, helping businesses conserve energy and save significantly on lighting costs. Ultrasave makes every effort to promote energy efficient products in order to meet today's environmental needs.



Design Features

Programmed start lamp ignition

- Prolongs lamp life while providing the same efficiency as standard T8 ballasts

Multiple lamp capability

- 1, 2, 3, or 4-lamp, T8 32/25/17 watt lamp types and operates 30/28/25 watt energy-saving T8 lamps

Dedicated or multiple input voltage

- 120 to 277 volts and 347 volts at 50/60 Hz
- Reduces SKU requirements and inventory carrying costs

<10% THD and >0.99 PF

- Meets qualifications of most power quality programs

Parallel lamp operation

- Keeps remaining lamps lit should one of them fail
- Lower maintenance costs

Minimum starting temperature

- 0°F/-18°C for standard lamps
- 16°F/60°C for energy-saving T8 lamps
- Suitable for cold temperature environments

18 ft. remote mounting capability

- Provides maximum application flexibility

Designed to be used with occupancy sensors

- Ideal for applications with frequent on-off switching
- Rated average lamp life of 50,000 cycles

Longer lamp life by heating the lamp filament efficiently during startup

- Saving money in maintenance costs and replacement lamps

Lamp striation reduction technology in energy-saving lamps

- Reduces the likelihood of striation in energy-saving lamps

Hot restrike in remote tandem wiring applications

- Allows replacement of lamps without cycling power

Fast starting time of 0.7 seconds

- The same starting time as instant start ballasts
- An important feature when using occupancy sensors

Meets CEE specifications

Meets ASHRAE/IESNA standard 90.19 title 24 for energy efficiency

Rated class A for quiet operation

Five year warranty



Applications

- Auditoriums
- Supply Areas
- Conference Rooms
- Restrooms

Certifications

- Underwriters Laboratories (cULus) Listed
- Complies with ANSI Standards
- Meets FCC Part 18 Class A for EMI & RFI (Non-Consumer Limits)
- Does not contain Polychlorinated Biphenyl (PCBs)
- Class P Type 1 Outdoor, Type HL
- RoHS Compliant



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SPECIFICATIONS										
# OF LAMPS	LAMP WATTS	INPUT VOLTS	MODEL #	INPUT CURRENT (AMPS)	INPUT POWER (WATTS)	BALLAST FACTOR	MAX. THD %	MIN. PF	DIM	WIRING DIAG.
1	32	120 to 277	PR232120M-PP-HE	0.31/0.14	37	0.98	10	0.99	A	1
		347	PR232347-PP-HE	0.11		0.99				
	25	120 to 277	PR232120M-PP-HE	0.25/0.12	31	1.00				
		347	PR232347-PP-HE	0.10		0.99				
	17	120 to 277	PR232120M-PP-HE	0.20/0.10	24	1.10				
		347	PR232347-PP-HE	0.08		1.05				
2	32	120 to 277	PR232120M-PP-HE	0.50/0.23	61	0.91	10	0.99	A	2
		347	PR232347-PP-HE	0.17		60				
	25	120 to 277	PR232120M-PP-HE	0.40/0.18	49	0.93				
		347	PR232347-PP-HE	0.14		48				
	17	120 to 277	PR232120M-PP-HE	0.30/0.14	36	0.95				
		347	PR232347-PP-HE	0.11		36				
3	32	120 to 277	PR432120M-PP-HE	0.74/0.33	89	0.95	10	0.99	A	3
		347	PR432347-PP-HE	0.26		91				
	25	120 to 277	PR432120M-PP-HE	0.58/0.26	71	0.96				
		347	PR432347-PP-HE	0.21		73				
	17	120 to 277	PR432120M-PP-HE	0.42/0.19	51	0.97				
		347	PR432347-PP-HE	0.15		53				
4	32	120 to 277	PR432120M-PP-HE	0.91/0.40	110	0.88	10	0.99	A	4
		347	PR432347-PP-HE	0.32		111				
	25	120 to 277	PR432120M-PP-HE	0.71/0.31	86	0.89				
		347	PR432347-PP-HE	0.26		87				
	17	120 to 277	PR432120M-PP-HE	0.51/0.23	61	0.89				
		347	PR432347-PP-HE	0.18		63				

For other lamp types and specifications, please refer to www.ultrasave.ca or in the Ultrasave Ballast Product Catalogue. Specifications subject to change without notice.

PRODUCT DIMENSIONS				
DIMENSIONS	LENGTH	WIDTH	HEIGHT	MOUNTING
A	9.50"	1.72"	1.18"	8.90"

WIRING DIAGRAMS

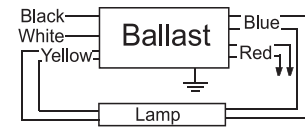


DIAGRAM 1

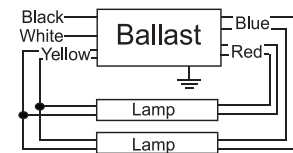


DIAGRAM 2

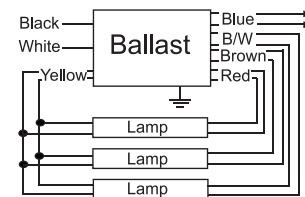


DIAGRAM 3

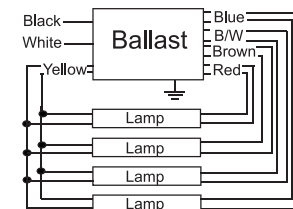


DIAGRAM 4