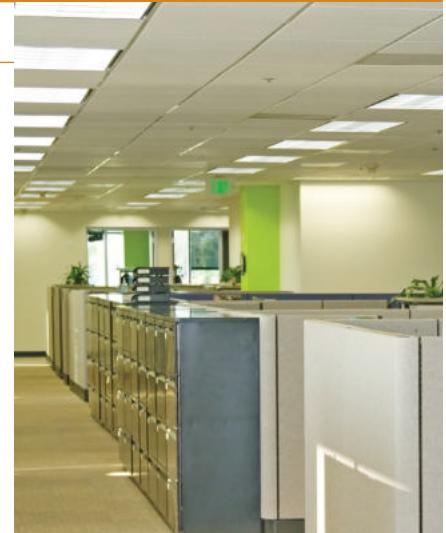


Electronic Ballasts for T8 Linear Fluorescent Lamps

Product Overview

Ultrasave offers a comprehensive line of energy efficient electronic ballasts for T8 linear fluorescent lamps. Our electronic ballasts for T8 linear fluorescent lamps are offered in the mini-can size series and the micro-can size series. The mini-can series offers instant or rapid start configurations and operates 1, 2, 3, 4, or 6-lamp, T8 32/25/17 watt lamp types at dedicated input voltage of 120 or 347 volts, or multiple input voltages from 120 to 277 volts, 50/60 Hz. They are available in high, normal, and low ballast factor versions. The micro-can series offers instant start or programmed start configurations and operates 1, 2-lamp T8 32/35 watt lamp types at dedicated input voltage of 120 or 277 volts, 50/60 Hz. This micro-can size series is also designed with an auto restart capability and a lamp end-of-life protection circuit, a safety feature that automatically shuts off power as the lamp approaches its EOL, preventing overheating and protecting the ballast.

The 2 and 4 lamp high efficiency ballasts and the 4 and 6 lamp high ballast factor models are the latest additions to our popular mini-can series for T8 lamp applications. The 2 and 4 lamp high efficiency ballasts are designed to maximize energy savings while maintaining light performance. The 4 and 6 lamp high ballast factor models are suitable for replacing HID lighting systems in high bay applications, providing energy savings without sacrificing light output.



Design Features

Mini-Can Series

- Instant start or rapid start lamp ignition

- Multiple lamp capability

- 1, 2, 3, 4, or 6-lamp, T8 32/25/17 watt lamp types
- Also operates 30/28/25 watt energy saving T8 lamps

- Dedicated or multiple input voltage

- 120, 120 to 277 and 347 volts at 50/60 Hz
- Multiple input voltage option reduces SKU requirements and inventory carrying costs

- <10% THD and >0.99 PF

- Meets qualifications of most power quality programs

- Available in high, normal and low ballast factor options

- Allows flexibility to meet specific needs

- Parallel lamp operation (UT-series)

- Keeps remaining lamps lit should one of them fail

- Minimum starting temperature of 0°F/-18°C

- Suitable for cold temperature environments

- 18 ft. remote mounting capability

- Provides maximum application flexibility

- Meets requirements of most Canadian hydro operated energy efficiency rebate programs

- Rated class A for quiet operation

- Five year warranty

Micro-Can Series

- Instant start or programmed start lamp ignition

- Multiple lamp capability

- 1 or 2-lamp, T8 32/25 watt and T5 lamp types
- Also operates 30/28/25 watt energy saving T8 lamps

- Dedicated input voltage

- 120 and 277 at 50/60 Hz

- <10% THD and >0.99 PF

- Meets qualifications of most power quality programs

- Lamp end-of-life protection circuitry

- Provides safety and protects the ballasts by removing power from the lamps as they approach EOL

- Auto-restart feature

- Allows lamp replacement without resetting power

- Minimum starting temperature of 0°F/-18°C

- Suitable for cold temperature environments

- Lightweight and micro-can size

- Ideal for small profile fixtures

- Rated class A for quiet operation

- Five year warranty



MINI-CAN SERIES



MICRO-CAN SERIES

Applications

- Conference Rooms
- Commercial
- Office Buildings
- Boardrooms
- Schools



Certifications

- Underwriters Laboratories (cULus) Listed
- Complies with ANSI Standards C82.11-1993 and C62.41-1991
- 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

Electronic Ballasts for T8 Linear Fluorescent Lamps

ULTRASAVE

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SPECIFICATIONS										
# OF LAMPS	INPUT VOLTS	LAMP STARTING METHOD	MODEL #	INPUT CURRENT (AMPS)	INPUT POWER (WATTS)	BALLAST FACTOR	MAX. THD %	MIN.PF	DIM. WIRING DIAG.	
1-LAMP, F32T8										
1	120	IS	ST132120	0.25	30	0.88	10	0.99	B 3	
			UT132120	0.26	31	0.89	10	0.99	A 1	
			UT132120L	0.22	27	0.71	10	0.99	A 1	
	120 to 277		UT132120MH	0.35/0.15	42	1.18	10	0.99	A 1	
			UT132347	0.09	31	0.89	10	0.99	A 1	
			UT132347H	0.12	40	1.18	10	0.99	A 1	
1	347		UT132347L	0.08	29	0.71	10	0.99	A 1	
			PR132120	0.29	35	0.94	10	0.99	A 6	
			PR132120M	0.29/0.13	35	0.94	10	0.99	A 6	
	347		PR132347	0.10	35	0.91	10	0.99	A 6	
1	120	PS	SR123120	0.24	30	0.86	10	0.99	B 6	
2-LAMP, F32T8										
2	120	IS	ST232120E	0.45	52	0.80	10	0.98	B 2	
			UT232120	0.48	58	0.88	10	0.99	A 2	
			UT232120L-HE	0.42	50	0.78	10	0.99	A 2	
	120 to 277		eT232120M	0.49/0.22	57	0.88	10	0.99	E 2	
			UT232120MH	0.64/0.29	75	1.18	10	0.99	A 2	
			UT232120ML	0.42/0.18	50	0.70	10	0.99	A 2	
	277		UT232120M-HE	0.46/0.20	55	0.87	10	0.99	A 2	
			UT232120ML-HE	0.40/0.18	48	0.77	10	0.99	A 2	
			ST23277E	0.20	52	0.80	11	0.98	B 2	
	347		UT232347	0.17	58	0.88	10	0.99	A 2	
			UT232347H	0.21	73	1.18	10	0.99	A 2	
			UT232347L	0.14	48	0.77	10	0.99	A 2	
			UT232347-HE	0.16	56	0.90	10	0.99	A 2	
2	120	RS	PR232120	0.53	64	0.88	10	0.99	A 7	
	120 to 277		PR232120M	0.53/0.23	64	0.88	10	0.99	A 7	
	347		PR232347	0.19	64	0.88	10	0.99	A 7	
2	120	PS	SR223120	0.45	55	0.88	10	0.99	B 7	
3-LAMP, F32T8										
3	120	IS	UT332120	0.69	83	0.89	10	0.99	A 4	
			eT332120M	0.72/0.31	86	0.89	10	0.99	A 4	
			UT332120MH	0.92/0.40	110	1.18	10	0.99	A 4	
	120 to 277		UT332120ML	0.64/0.28	76	0.74	10	0.99	A 4	
			UT332347	0.24	83	0.89	10	0.99	A 4	
			UT332347H	0.32	110	1.18	10	0.99	A 4	
3	120	RS	PR332120	0.77	91	0.88	10	0.99	A 8	
	120 to 277		PR332120M	0.77/0.33	91	0.88	10	0.99	A 8	
	347		PR332347	0.26	91	0.88	10	0.99	A 8	
	347		PR332347	0.26	91	0.88	10	0.99	A 8	
4-LAMP, F32T8										
4	120	IS	UT432120	0.93	109	0.86	10	0.99	A 5	
			UT432120L	0.79	93	0.75	10	0.99	A 5	
			UT432120L-HE	0.83	100	0.79	10	0.99	A 5	
	120 to 277		eT432120M	0.90	108	0.87	10	0.99	A 5	
			UT432120MH	1.23/0.52	146	1.18	10	0.99	C 5	
			UT432120ML	0.85/0.37	100	0.75	10	0.99	A 5	
	277		UT432120M-HE	0.88/0.37	106	0.86	10	0.99	A 5	
			UT432120ML-HE	0.80/0.35	96	0.76	10	0.99	A 5	
			UT432347	0.32	112	0.88	10	0.99	A 5	
	347		UT432347H	0.44	148	1.18	10	0.98	C 5	
			UT432347L	0.29	99	0.78	10	0.99	A 5	
			UT432347-HE	0.32	110	0.89	10	0.99	A 5	
4	120	RS	PR432120	1.02	121	0.88	10	0.99	A 9	
	120 to 277		PR432120M	1.02/0.44	121	0.88	10	0.99	A 9	
	347		PR432347	0.35	121	0.88	10	0.99	A 9	
	347		PR432347	0.30	104	0.75	10	0.99	A 9	
6-LAMP, F32T8										
6	120 to 277	IS	UT632120MH	1.89/0.84	228	1.18	10	0.99	D 10	

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

PRODUCT DIMENSIONS				
DIMENSIONS	L	W	H	M
A	9.50"	1.72"	1.18"	8.90"
B	9.50"	1.30"	1.10"	8.90"
C	9.50"	2.41"	1.43"	8.90"
D	17.80"	1.72"	1.22"	17.32"
E	9.50"	1.26"	1.15"	8.90"

WIRING DIAGRAMS

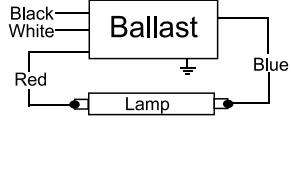


DIAGRAM 1

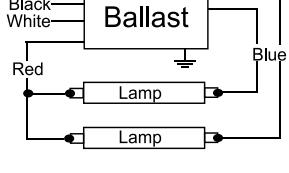


DIAGRAM 2

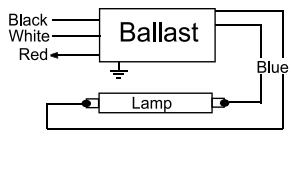


DIAGRAM 3

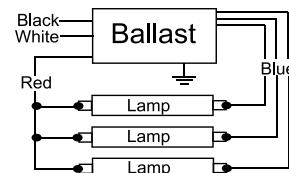


DIAGRAM 4

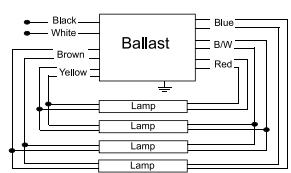


DIAGRAM 9

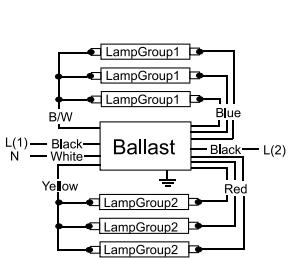


DIAGRAM 10