Triad®

Low Profile Ballasts Offer More Options

Reduced Harmonic And Low Power Ballasts Provide Savings And Design Flexibility

Universal Lighting Technologies offers a complete line of Reduced Harmonic (RH) and Low Power (L) ballasts in low profile packages. These ballasts optimize T8 system technology by providing greater efficiency, superior optical control and dramatic energy savings—all in a space-saving design.

Our low profile ballasts feature a smaller package and cross section for greater flexibility in fixture design. All models have a height of just 1.18˝. Since the mounting dimensions and wiring are the same as those on standard ballasts, the new low profile models retrofit easily into any T12 or T8 fixture. Plus they feature parallel lamp operation: when one lamp fails, the other lamps remain on at full light levels.

Our low profile RH ballasts operate a wide variety of lamp types for 120- and 277-volt applications. A ballast factor of .88 for the primary lamps assures full light output—and all performance characteristics conform to ANSI requirements.

Our L ballast models take advantage of new component technology, which allows them to be engineered smaller and lighter for reduced energy consumption. They feature a ballast factor of .78, which is ideal for retrofitting F40T12 (34-watt) lamp/ballast systems while maintaining equivalent light levels.

Features and Benefits

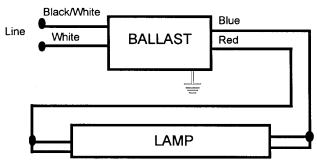
- Smaller cross section/size
  - —Optimize luminaires for T8 lamp size and optics
  - —Ideal for thin profile fixtures
- Lighter weight
  - —Easier to install
  - —Less shipping weight
  - —Ideal for suspended fixtures
- Standard mounting footprint and wiring for easy replacement
  - —Fits all standard T12 and T8 fixtures
- Parallel lamp operation keeps other lamps functioning when one lamp fails
- Instant Start operation for maximum energy savings
- 1 to 4 lamp (RH models) and 2 to 4 lamp (L models) T8 models for 120 and 277 volts
- Manufactured using Surface Mount Technology for enhanced reliability
- THD <20%

Universal™ Lighting Technologies

Low Profile Ballasts

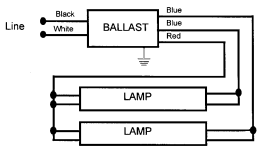
WIRING DIAGRAMS FOR REDUCED HARMONIC (RH) AND LOW POWER (L) BALLASTS

WIRING DIAGRAM 1



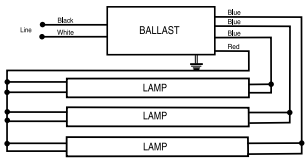
ONE-LAMP APPLICATION —Ballast Must Be Grounded

WIRING DIAGRAM 2



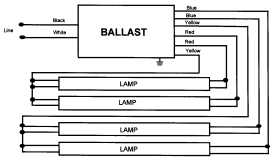
TWO-LAMP APPLICATION — Ballast Must Be Grounded
Note: For one-lamp application, cap any blue lead, insulate to 600 volts.

WIRING DIAGRAM 3



THREE-LAMP APPLICATION — Ballast Must Be Grounded
Note: For two-lamp application, cap any blue lead, insulate to 600 volts.

WIRING DIAGRAM 4



FOUR-LAMP APPLICATION — Ballast Must Be Grounded
Note: For three-lamp application, cap any blue lead, insulate to 600 volts.

Catalog Number	Lamp Type	Qty.	Volts	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Ballast Efficacy Factor	Total Harmonic Distortion	Wiring Dia.
B232I120L-A										
	F32T8	2	120	51	0.44	>.95	.78	1.53	<20%	2
	F32T8	1	120	33	0.29	>.90	.96	2.91	<32%	2
	F25T8	2	120	43	0.37	>.95	.78	1.81	<20%	2
	F17T8	2	120	30	0.27	>.90	.85	2.83	<32%	2
	F40T8	1	120	40	0.34	>.95	.91	2.28	<25%	2
B232I277L-A										
	F32T8	2	277	51	0.19	>.95	.78	1.53	<20%	2
	F32T8	1	277	33	0.13	>.90	1.00	3.03	<32%	2
	F25T8	2	277	43	0.16	>.95	.80	1.86	<20%	2
	F17T8	2	277	30	0.12	>.90	.86	2.87	<32%	2
	F40T8	1	277	40	0.15	>.95	.91	2.28	<25%	2
B332I120L-A										
	F32T8	3	120	76	0.65	>.98	.78	1.03	<20%	3
	F32T8	2	120	58	0.51	>.95	.92	1.59	<25%	3
	F25T8	3	120	61	0.52	>.95	.82	1.34	<25%	3
	F17T8	3	120	44	0.40	>.90	.86	1.95	<30%	3
	F40T8	2	120	71	0.60	>.98	.87	1.23	<20%	3
B332I277L-A										
	F32T8	3	277	76	0.28	0.98	.78	1.03	<20%	3
	F32T8	2	277	61	0.21	0.98	.92	1.51	<20%	3
	F25T8	3	277	62	0.22	0.98	.83	1.34	<20%	3
	F17T8	3	277	44	0.17	0.95	.88	2.00	<25%	3
	F40T8	2	277	72	0.26	0.98	.89	1.24	<20%	3
B432I120L-A										
	F32T8	4	120	100	0.85	>.98	.78	0.78	<20%	4
	F32T8	3	120	83	0.71	>.97	.83	1.00	<20%	4
	F25T8	4	120	78	0.68	>.95	.78	1.00	<20%	4
	F17T8	4	120	55	0.48	>.95	.79	1.44	<20%	4
B432I277L-A										
	F32T8	4	277	98	0.36	>.98	.78	0.80	<20%	4
	F32T8	3	277	83	0.31	>.97	.84	1.01	<20%	4
	F25T8	4	277	76	0.30	>.95	.78	1.03	<20%	4
	F17T8	4	277	54	0.21	>.95	.80	1.48	<20%	4

Suffix "-A" denotes low profile design.

Catalog Number	Lamp Type	Qty.	Volts	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Ballast Efficacy Factor	Total Harmonic Distortion	Wiring Dia.
B132I120RH-A										
	F32T8	1	120	30	0.26	>.98	.88	2.93	<20%	1
	F25T8	1	120	26	0.22	>.97	.92	3.54	<25%	1
	F17T8	1	120	19	0.17	>.90	.93	4.89	<32%	1
	F40T8	1	120	35	0.30	>.96	.83	2.37	<15%	1
B132I277RH-A										
	F32T8	1	277	32	0.11	>.97	.88	2.75	<20%	1
	F25T8	1	277	27	0.10	>.97	.92	3.41	<25%	1
	F17T8	1	277	20	0.07	>.90	.93	4.65	<32%	1
	F40T8	1	277	37	0.13	>.95	.83	2.24	<15%	1
B232I120RH-A										
	F32T8	2	120	58	0.49	>.98	.88	1.52	<20%	2
	F32T8	1	120	38	0.31	>.90	1.09	2.87	<25%	2
	F25T8	2	120	48	0.41	>.95	.93	1.94	<20%	2
	F17T8	2	120	34	0.31	>.90	.95	2.79	<32%	2
	F40T8	1	120	45	0.38	>.95	1.03	2.29	<25%	2
B232I277RH-A										
	F32T8	2	277	58	0.22	>.98	.88	1.52	<20%	2
	F32T8	1	277	38	0.14	>.90	1.09	2.87	<25%	2
	F25T8	2	277	48	0.18	>.95	.93	1.94	<20%	2
	F17T8	2	277	34	0.13	>.90	.95	2.79	<32%	2
	F40T8	1	277	45	0.17	>.95	1.03	2.29	<25%	2
B332I120RH-A										
	F32T8	3	120	88	0.75	>.98	.88	1.00	<20%	3
	F32T8	2	120	69	0.59	>.95	1.03	1.49	<25%	3
	F25T8	3	120	70	0.60	>.95	.93	1.33	<20%	3
	F17T8	3	120	52	0.47	>.90	.99	1.90	<32%	3
	F40T8	2	120	82	0.73	>.98	.96	1.17	<20%	3
B332I277RH-A										
	F32T8	3	277	88	0.33	>.98	.88	1.00	<20%	3
	F32T8	2	277	69	0.26	>.95	1.04	1.51	<25%	3
	F25T8	3	277	70	0.26	>.95	.93	1.33	<25%	3
	F17T8	3	277	52	0.20	>.90	.99	1.90	<32%	3
	F40T8	2	277	82	0.31	>.98	1.00	1.22	<20%	3
B432I120RH-A										
	F32T8	4	120	112	0.93	>.99	.88	0.79	<20%	4
	F32T8	3	120	92	0.78	>.95	.94	1.02	<20%	4
	F25T8	4	120	87	0.74	>.95	.91	1.05	<20%	4
	F17T8	4	120	63	0.54	>.95	.92	1.46	<20%	4
B432I277RH-A										
	F32T8	4	277	110	0.40	>.98	.88	0.80	<20%	4
	F32T8	3	277	92	0.33	>.95	.99	1.08	<20%	4
	F25T8	4	277	84	0.32	>.95	.91	1.08	<20%	4
	F17T8	4	277	61	0.23	>.95	.92	1.51	<20%	4

Suffix "-A" denotes low profile design.

It's Easy To Reach Us...

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