Universal Lighting Technologies

TRIAD®

B232I120L-A

APPLICATION and PERFORMANCE SPECIFICATION

Description: High frequency electronic ballast for 1 or 2 F32T8 lamps (and others as indicated below). Also equivalent U-shaped lamps.

- Line Voltage: 120vac, ±10%, 60Hz
- Parallel Lamp Operation
- Instant Start
- Passive Power Factor Correction

Lamps		Input	Nominal	Power	Ballast	Ballast Efficacy	Harmonic	Crest
Type	#	Watts	Line Amps	Factor	Factor	Factor	Total	Factor
F32T8	**2**	**51**	**0.44**	**> .95**	**.78**	**1.53**	**< 20%**	**< 1.7**
F32T8	1	33	0.29	> .90	.96	2.91	< 32%	< 1.7
F25T8	2	43	0.37	> .95	.78	1.81	< 20%	< 1.7
F17T8	2	30	0.27	> .90	.85	2.83	< 32%	< 1.7
F40T8	1	40	0.34	> .95	.91	2.28	< 25%	< 1.7
F25T12	2	43	0.35	> .95	.78	1.81	< 20%	< 1.7

Application and Performance Specification Information Subjec to Change without Notification.

Performance:
- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 (Class A) for EMI and RFI Non-Consumer Limits
- Meets CSA Standard 654 for Ballast Efficiency

Safety:
- No PCB's
- UL listed (Class P, Type 1 Outdoor)
- CSA Certified

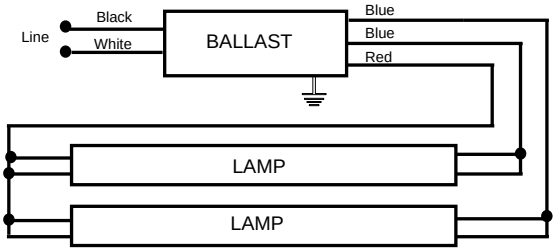
Application:
- Minimum Starting Temperature: 0° F, -18° C
- Maximum Ambient Temperature: 105° F, 40° C
- Sound Rated: A
- Remote Mounting: 18 ft. max. lead length, 18 AWG
- Compatible with "Powerline Carrier" (PLC) Systems and/or infrared systems

Physical Parameters:

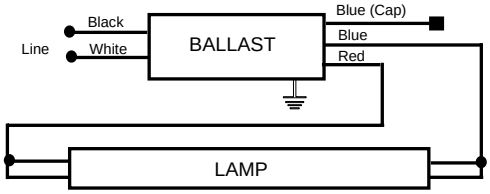
Length:	9.50"	
Width:	1.70"	
Height:	1.18"	
Weight:	1.70 lbs.	
Lead Length:	White, Black	25" (± 1")
	Red	48" (± 1")
	Blue	31" (± 1")

Warranty:
Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 5 years from date of manufacture when properly installed and under normal conditions of use. Call **1-800-BALLASTx800** for technical assistance.

Manufactured in North America



TWO LAMP APPLICATION



ONE LAMP APPLICATION
Cap any blue lead, insulate to 600 volts

Ballast Must be Grounded

Universal Lighting Technologies

TRIAD®

B232I277L-A

APPLICATION and PERFORMANCE SPECIFICATION

Description: High frequency electronic ballast for 1 or 2 F32T8 lamps (and others as indicated below). Also equivalent U-shaped lamps.

- Line Voltage: 277vac, ±10%, 60Hz
- Parallel Lamp Operation
- Instant Start
- Passive Power Factor Correction

Lamps		Input	Nominal	Power	Ballast	Ballast Efficacy	Harmonic	Crest
Type	#	Watts	Line Amps	Factor	Factor	Factor	Total	Factor
F32T8	**2**	**51**	**0.19**	**> .95**	**.78**	**1.53**	**< 20%**	**< 1.7**
F32T8	1	33	0.13	> .90	1.00	3.03	< 32%	< 1.7
F32T8ES	2	49	0.18	> .95	.77	1.57	< 20%	< 1.7
F32T8ES	1	33	0.12	> .90	.98	2.97	< 32%	< 1.7
F28T8	2	45	0.17	> .95	.75	1.67	< 25%	< 1.7
F28T8	1	30	0.12	> .90	.96	3.20	< 32%	< 1.7
F25T8	2	43	0.16	> .95	.80	1.86	< 20%	< 1.7
F17T8	2	30	0.12	> .90	.86	2.87	< 32%	< 1.7
F40T8	1	40	0.15	> .95	.91	2.28	< 25%	< 1.7
F25T12	2	43	0.16	> .95	.78	1.81	< 20%	< 1.7

Application and Performance Specification Information Subject to Change without Notification.

Performance:
- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 (Class A) for EMI and RFI Non-Consumer Limits
- Meets CSA Standard 654 for Ballast Efficiency

Safety:
- No PCB's
- UL listed (Class P, Type 1 Outdoor)
- CSA Certified

Application:
- Minimum Starting Temperature: 0° F, -18° C
  For ES & 28W Lamps: 60° F, 16° C
- Maximum Ambient Temperature: 105° F, 40° C
- Sound Rated: A
- Remote Mounting: 18 ft. max. lead length, 18 AWG
- Compatible with "Powerline Carrier" (PLC) Systems and/or infrared systems

Physical Parameters

Length:	9.50"	
	1.70"	
Height:	1.18"	
Weight:	1.70 lbs.	
Lead Length:	White, Black	25" (± 1")
	Red	48" (± 1")
	Blue	31" (± 1")

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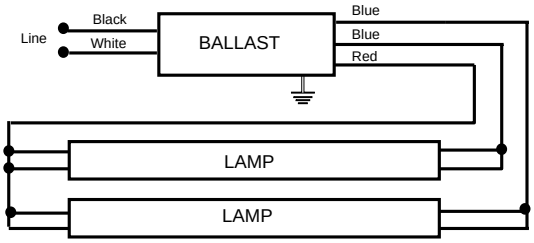
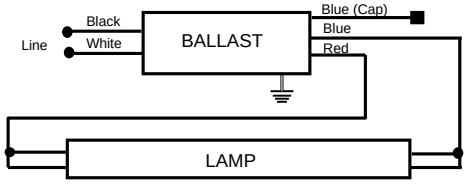


TWO LAMP APPLICATION



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