

APPLICATION and PERFORMANCE SPECIFICATION

Description: High frequency electronic ballasts for 4 F32T8 lamps (and others as indicated below).
Also equivalent U-shaped lamps.

- Line Voltage: 120vac, $\pm 10\%$, 60Hz
- Instant Start
- Parallel Lamp Operation

Lamps		Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Ballast Efficacy Factor	Harmonic Total	Crest Factor
Type	#							
F32T8	4	100	0.85	> .98	.78	0.78	< 20%	< 1.7
F32T8	3	83	0.71	> .97	.83	1.00	< 20%	< 1.7
F32T8ES	4	95	0.80	> .98	.80	0.84	< 20%	< 1.7
F32T8ES	3	78	0.65	> .98	.86	1.10	< 20%	< 1.7
F25T8	4	78	0.68	> .95	.78	1.00	< 20%	< 1.7
F17T8	4	55	0.48	> .95	.79	1.44	< 20%	< 1.7
F25T12	4	78	0.68	> .95	.78	1.00	< 20%	< 1.7
F40T8	3	100	0.84	> .98	.84	0.84	< 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

Safety:

- No PCB's
- UL listed
(Class P, Type 1 Outdoor, Type HL)
- 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

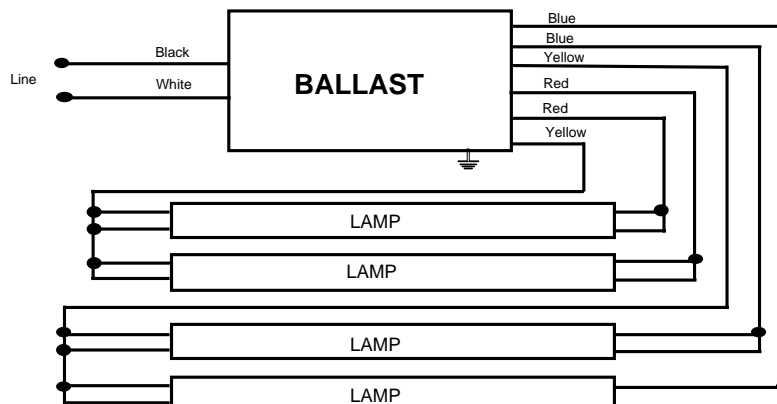
Physical Parameters

Length: 9.50"
Width: 1.70"
Height: 1.18"
Weight: 1.7 lbs.
Lead Length: White, Black 25" ($\pm 1"$)
Red 31" ($\pm 1"$)
Blue 31" ($\pm 1"$)
Yellow 45" ($\pm 1"$)

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



Note: For three lamp operation, cap any blue lead, insulate to 600 volts

Ballast Must be Grounded

APPLICATION and PERFORMANCE SPECIFICATION

Description: High frequency electronic ballasts for 4 F32T8 lamps (and others as indicated below).
Also equivalent U-shaped lamps.

- Line Voltage: 277vac, $\pm 10\%$, 60Hz
- Instant Start
- Parallel Lamp Operation

Lamps		Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Ballast Efficacy Factor	Harmonic Total	Crest Factor
Type	#							
F32T8	4	98	0.36	> .98	.78	0.80	< 20%	< 1.7
F32T8	3	83	0.31	> .97	.84	1.01	< 20%	< 1.7
F25T8	4	76	0.30	> .95	.78	1.03	< 20%	< 1.7
F17T8	4	54	0.21	> .95	.80	1.48	< 20%	< 1.7
F25T12	4	76	0.30	> .95	.78	1.03	< 20%	< 1.7

Application and Performance Specification Information Subject to Change without notification.

- 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
- 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

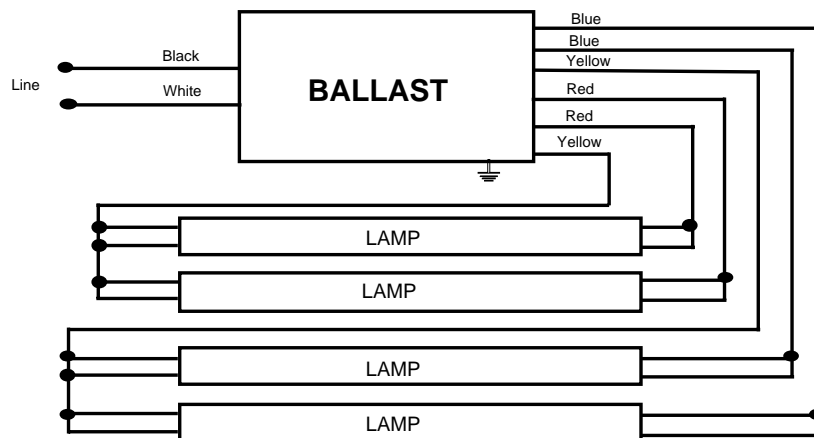
Physical Parameters

Length:	9.50"
Width:	1.70"
Height:	1.18"
Weight:	1.7 lbs.
Lead Length:	White, Black 25" ($\pm 1"$)
	Red 31" ($\pm 1"$)
	Blue 31" ($\pm 1"$)
	Yellow 45" ($\pm 1"$)

Warranty:

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Manufactured in North America



Note: For three lamp operation, cap any blue lead, insulate to 600 volts

Ballast Must be Grounded