

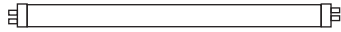


SPECIFICATION SHEET : WHS G2-UNV-T8-IS

This Is An Original Product From Fulham Co., Inc

Description : WORKHORSE Specifier Grade Series Electronic Ballast, Drop In Replacement for Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

This Ballast Will Operate Following Lamps.

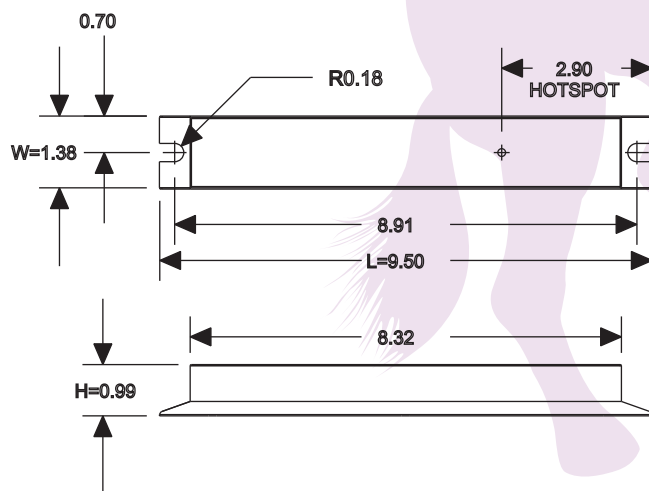


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8
F32T8/30W, F32T8/28W, F32T8/25W

ELECTRICAL DATA (With 120 Volt Application)

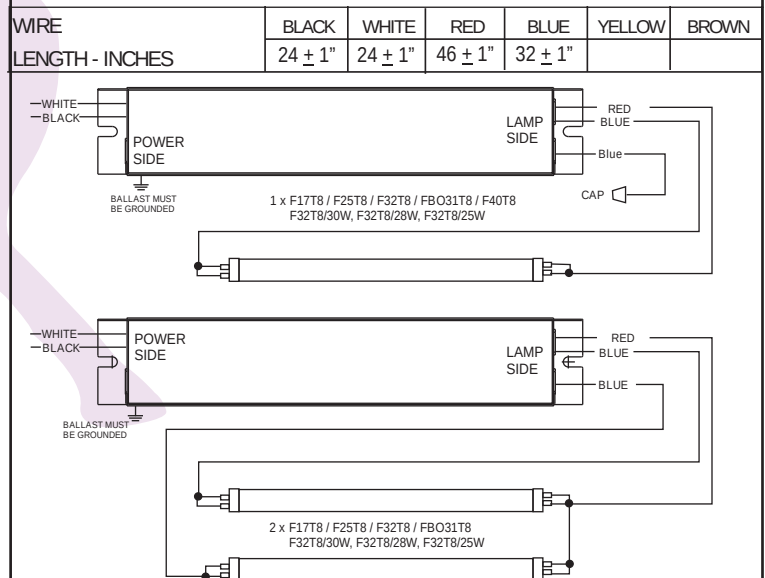
INPUT VOLT: 120V $\pm$ 10% 50/60Hz															
LAMP WATTS TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25	F17T8	F25T8	F32T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25
LAMPS OPERATED	1								2						
INPUT WATTS	22.97	28.84	36.96	46.59	35.46	34.11	30.47	30.04	33.52	46.33	60.33	58.17	56.65	50.19	47.25
LINE CURRENT:	0.194	0.242	0.310	0.390	0.297	0.286	0.255	0.252	0.281	0.388	0.504	0.487	0.474	0.420	0.395
POWER FACTOR	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	0.95	1.03	1.01	1.06	1.03	1.02	0.96	0.98	0.95	0.91	0.90	0.91	0.90	0.86	0.95
EFFICACY FACTOR	4.12	3.56	2.72	2.27	2.90	2.98	3.16	3.25	2.84	1.96	1.50	1.56	1.60	1.71	2.01
THD	10.1%	9.7%	7.6%	7.0%	8.5%	8.2%	8.8%	8.6%	8.8%	7.2%	6.1%	7.1%	6.2%	6.7%	6.8%
CURRENT CREST FACTOR															
EM/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)														
SOUND RATING	"A"														
BALLAST TYPE	INSTANT START														
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993														
INPUT/PROTECTION	FUSE														
OUTPUT/PROTECTION	-														
MIN. STARTING TEMP	-18°C (0°F)														
MAX. CASE TEMP	70°C (158°F)														
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION														
ENERGY STAR 4.0	-														
APPROVALS/CLASS	UL/cUL LISTED, CLASS "P", 1 OUTDOOR														

MECHANICAL DATA



Where : L = Length, W = Width, H = Height

WIRING DIAGRAMS



NOTE : This Ballast Case Must Be Grounded

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DUE TO A PROGRAM OF CONTINUOUS IMPROVEMENT, FULHAM Co., INC RESERVES THE RIGHT TO MAKE ANY VARIATION IN DESIGN OR CONSTRUCTION TO THE EQUIPMENT DESCRIBED.

Address : 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-599-5000, Fax.: 1-323-754-9060. Website: www.fulham.com

2006-110 rev A

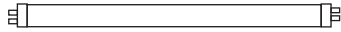


SPECIFICATION SHEET : WHS2-UNV-T8-IS

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Description : WORKHORSE Specifier Grade Series Electronic Ballast, Drop In Replacement for Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

This Ballast Will Operate Following Lamps.

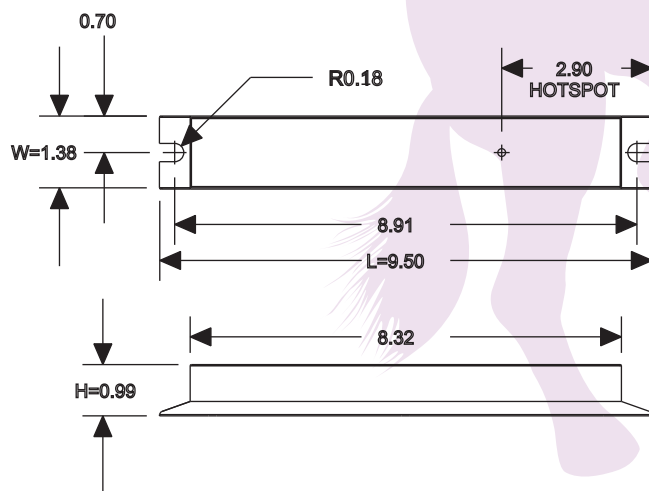


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8
F32T8/30W, F32T8/28W, F32T8/25W

ELECTRICAL DATA (With 230 Volt Application)

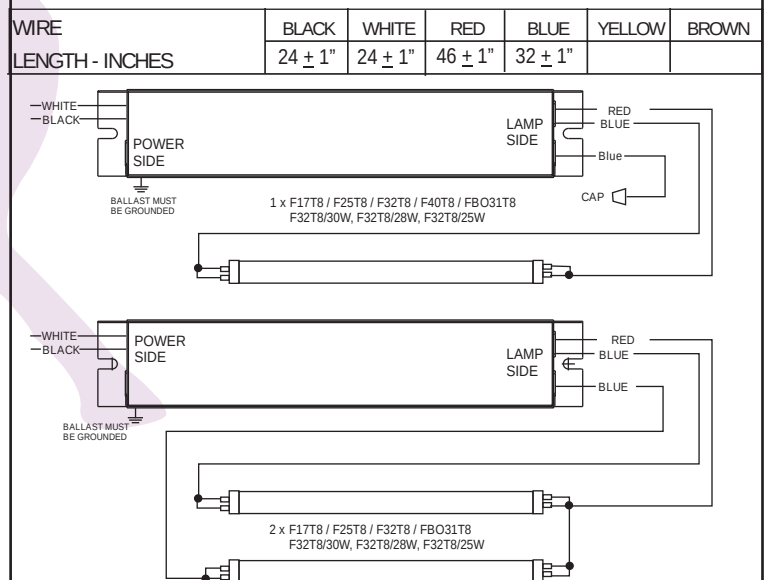
INPUT VOLT: 230V ± 10% 50/60Hz															
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25	F17T8	F25T8	F32T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25
LAMPS OPERATED	1								2						
INPUT WATTS	22.26	30.11	36.53	43.24	35.23	34.14	31.11	28.42	34.27	47.64	60.48	56.45	54.28	50.24	47.03
LINE CURRENT:	0.101	0.134	0.161	0.190	0.156	0.151	0.138	0.127	0.152	0.209	0.265	0.248	0.238	0.221	0.207
POWER FACTOR	0.96	0.98	0.98	0.99	0.98	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	1.12	1.12	1.06	1.04	1.05	1.04	1.02	1.04	0.98	0.96	0.89	0.92	0.91	0.89	0.95
EFFICACY FACTOR	5.01	3.71	2.89	2.40	2.99	3.06	3.27	3.67	2.86	2.01	1.48	1.62	1.67	1.76	2.03
THD	9.3%	7.8%	7.0%	6.4%	7.1%	7.5%	7.7%	7.7%	7.4%	6.3%	6.5%	7.3%	6.7%	6.2%	6.3%
CURRENT CREST FACTOR															
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)														
SOUND RATING	"A"														
BALLAST TYPE	INSTANT START														
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993														
INPUT/PROTECTION	FUSE														
OUTPUT/PROTECTION	-														
MIN. STARTING TEMP	-18°C (0°F)														
MAX. CASE TEMP	70°C (158°F)														
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION														
ENERGY STAR 4.0	-														
APPROVALS/CLASS	UL/cUL LISTED, CLASS "P", 1 OUTDOOR														

MECHANICAL DATA



Where : L = Length, W = Width, H = Height

WIRING DIAGRAMS



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2006-110 rev A

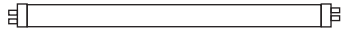


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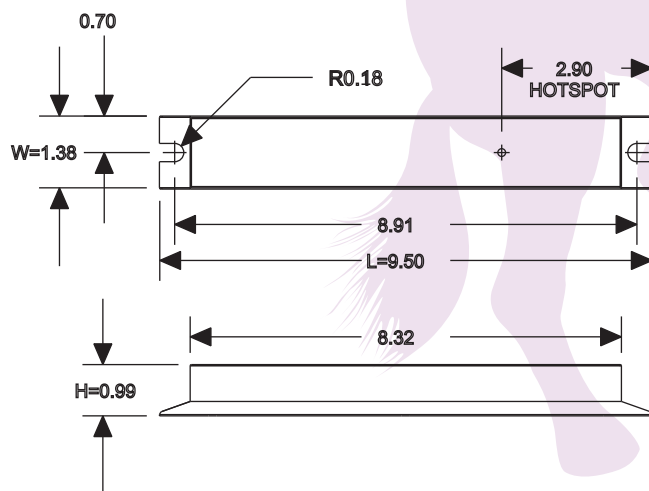


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8
F32T8/30W, F32T8/28W, F32T8/25W

ELECTRICAL DATA (With 277 Volt Application)

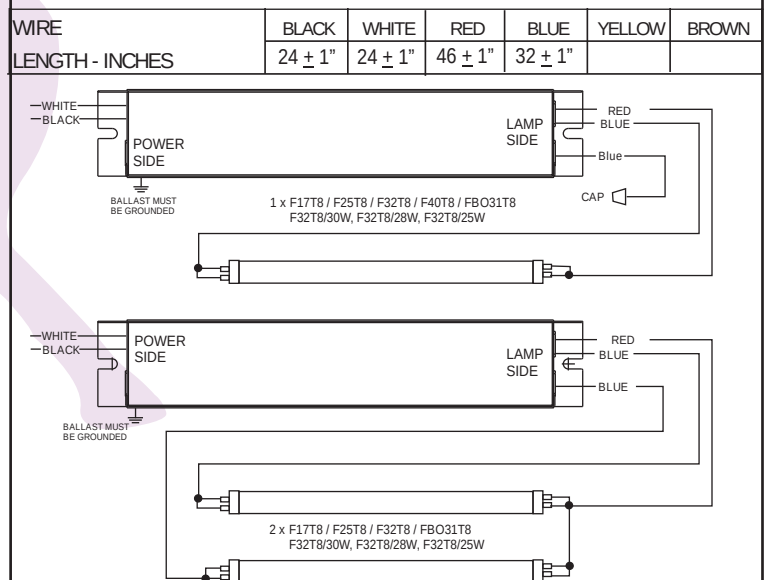
INPUT VOLT: 277V $\pm$ 10% 50/60Hz															
LAMP WATTS TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25	F17T8	F25T8	F32T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25
LAMPS OPERATED	1								2						
INPUT WATTS	23.24	28.79	36.52	45.40	34.97	34.24	30.60	30.61	33.27	45.47	58.43	56.33	55.11	49.29	45.08
LINE CURRENT:	0.091	0.110	0.136	0.168	0.130	0.128	0.115	0.116	0.124	0.168	0.214	0.206	0.202	0.181	0.166
POWER FACTOR	0.92	0.94	0.97	0.97	0.97	0.96	0.96	0.95	0.96	0.97	0.99	0.99	0.98	0.98	0.98
BALLAST FACTOR	0.95	1.03	1.01	1.05	1.03	1.03	0.98	1.01	0.96	0.91	0.90	0.91	0.91	0.86	0.91
EFFICACY FACTOR	4.08	3.57	2.75	2.31	2.93	3.02	3.19	3.29	2.88	2.01	1.55	1.62	1.64	1.74	2.03
THD	14.6%	12.2%	8.0%	6.2%	9.5%	8.4%	10.4%	10.2%	10.0%	6.3%	6.0%	5.6%	5.9%	6.0%	6.1%
CURRENT CREST FACTOR															
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)														
SOUND RATING	"A"														
BALLAST TYPE	INSTANT START														
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993														
INPUT/PROTECTION	FUSE														
OUTPUT/PROTECTION	-														
MIN. STARTING TEMP	-18°C (0°F)														
MAX. CASE TEMP	70°C (158°F)														
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION														
ENERGY STAR 4.0	-														
APPROVALS/CLASS	UL/cUL LISTED, CLASS "P", 1 OUTDOOR														

MECHANICAL DATA



Where : L = Length, W = Width, H = Height

WIRING DIAGRAMS



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2006-110 rev A