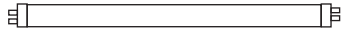


SPECIFICATION SHEET : WHSG1-UNV-T8-IS

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.

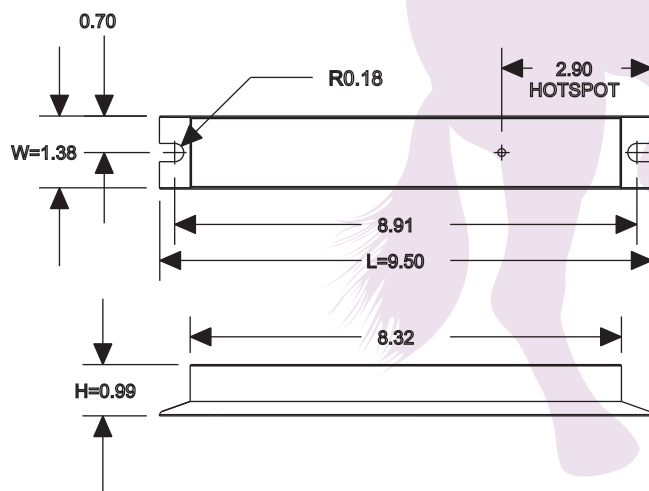


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8
F32T8/30W, F32T8/28W, F32T8/25W

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	-
LAMPS OPERATED	1								
INPUT WATTS	18.92	24.48	31.38	38.42	30.22	28.66	26.27	24.55	
LINE CURRENT:	0.160	0.205	0.262	0.322	0.253	0.240	0.220	0.206	
POWER FACTOR	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	
BALLAST FACTOR	0.96	0.90	0.93	0.91	0.89	0.88	0.86	0.90	
EFFICACY FACTOR	5.08	3.66	2.96	2.37	2.96	3.07	3.26	3.68	
THD	11.5%	9.2%	7.6%	7.5%	8.6%	8.3%	8.6%	9.0%	
CURRENT CREST FACTOR	< 1.7								
EMI/RFI COMPLIANCE	FCC PART 18-A								
SOUND RATING	" A "								
BALLAST TYPE	INSTANT START								
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993								
INPUT/PROTECTION	FUSE								
OUTPUT/PROTECTION	EOL								
MIN. OPERATING TEMP	- 18 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

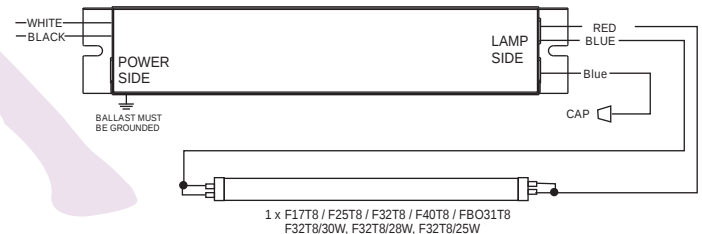
MECHANICAL DATA



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

WIRING DIAGRAMS

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	24 $\pm$ 1"	24 $\pm$ 1"	46 $\pm$ 1"	32 $\pm$ 1"		



NOTE : This Ballast Case Must Be Grounded

Fulham Co., Inc extends limited warranty only to the original purchaser or to the first user for the period of 5 years from the date of manufacture as indicated by the date code stamped on each product and when properly installed and under normal conditions of use. For additional warranty guide line, please refer to our Complete Product Catalog OR call Customer Service at 1-323-599-5000.

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

2006-109 rev A

SPECIFICATION SHEET : WHSG1-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.

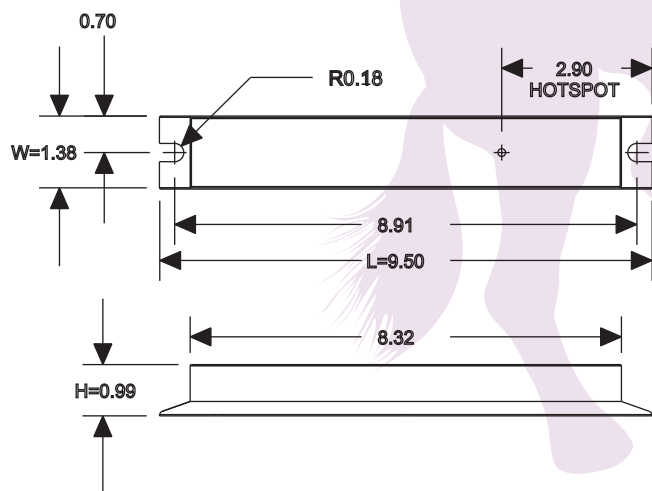


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8
F32T8/30W, F32T8/28W, F32T8/25W

ELECTRICAL DATA (With 230 Volt Application)

INPUT VOLT: 230V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25	-
LAMPS OPERATED	1								
INPUT WATTS	18.63	25.45	30.69	36.60	29.82	28.94	26.45	24.48	
LINE CURRENT:	0.083	0.112	0.135	0.161	0.131	0.127	0.117	0.108	
POWER FACTOR	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.98	
BALLAST FACTOR	0.96	0.96	0.93	0.89	0.90	0.91	0.89	0.95	
EFFICACY FACTOR	5.17	3.78	3.03	2.44	3.01	3.13	3.35	3.86	
THD	11.3%	9.1%	7.8%	7.0%	8.6%	8.7%	9.2%	9.6%	
CURRENT CREST FACTOR	< 1.7								
EMI/RFI COMPLIANCE	FCC PART 18-A								
SOUND RATING	" A "								
BALLAST TYPE	INSTANT START								
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993								
INPUT/PROTECTION	FUSE								
OUTPUT/PROTECTION	EOL								
MIN. OPERATING TEMP	- 18 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

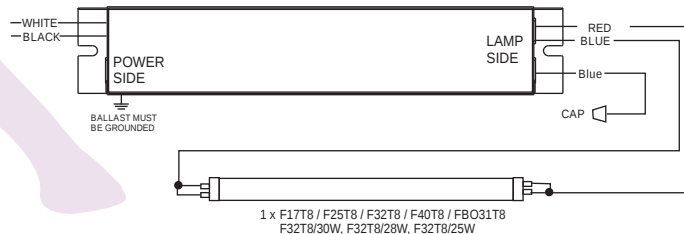
MECHANICAL DATA



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

WIRING DIAGRAMS

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	24 $\pm$ 1"	24 $\pm$ 1"	46 $\pm$ 1"	32 $\pm$ 1"		



NOTE : This Ballast Case Must Be Grounded

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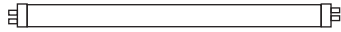
2006-109 rev A

SPECIFICATION SHEET : WHSG1-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.

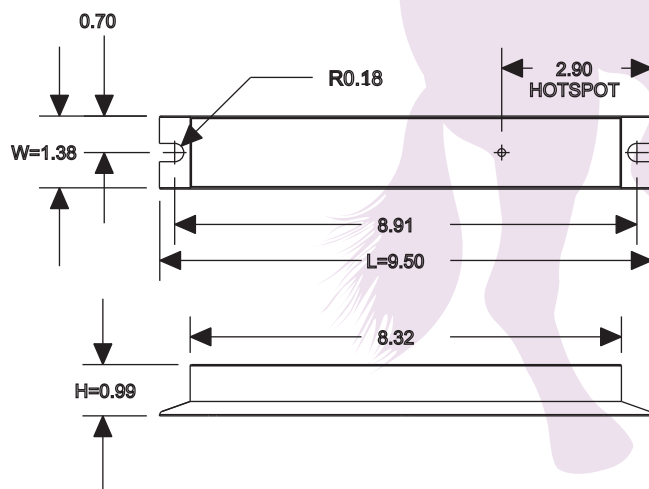


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8
F32T8/30W, F32T8/28W, F32T8/25W

ELECTRICAL DATA (With 277 Volt Application)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25	-
LAMPS OPERATED	1								
INPUT WATTS	19.23	24.50	31.05	37.70	29.88	28.42	26.14	24.57	
LINE CURRENT:	0.078	0.092	0.115	0.139	0.110	0.105	0.097	0.091	
POWER FACTOR	0.94	0.97	0.97	0.98	0.98	0.98	0.98	0.98	
BALLAST FACTOR	0.97	0.90	0.93	0.91	0.89	0.88	0.86	0.91	
EFFICACY FACTOR	5.04	3.66	2.99	2.42	2.99	3.09	3.28	3.69	
THD	13.4%	10.1%	9.5%	7.0%	8.7%	9.2%	13.0%	10.4%	
CURRENT CREST FACTOR	< 1.7								
EMI/RFI COMPLIANCE	FCC PART 18-A								
SOUND RATING	" A "								
BALLAST TYPE	INSTANT START								
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993								
INPUT/PROTECTION	FUSE								
OUTPUT/PROTECTION	EOL								
MIN. OPERATING TEMP	- 18 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

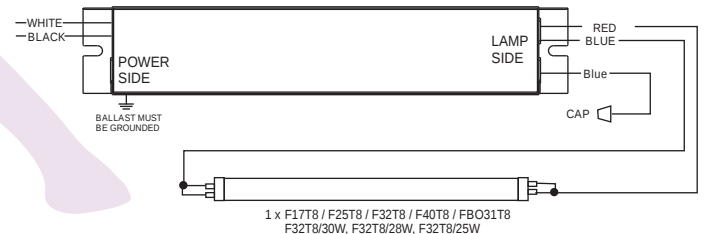
MECHANICAL DATA



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

WIRING DIAGRAMS

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	24 $\pm$ 1"	24 $\pm$ 1"	46 $\pm$ 1"	32 $\pm$ 1"		



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