

SPECIFICATION SHEET : **WHS1-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.**

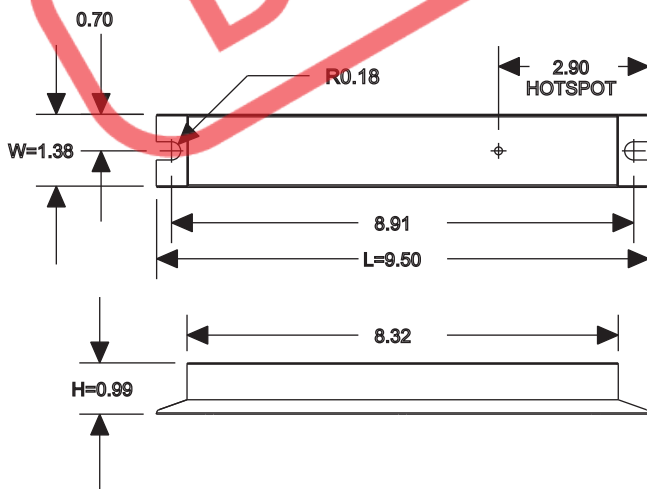


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA ( With 120 Volt Application )**

INPUT VOLT: 120V ± 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 °C ( 0 ° F )								
MAX. CASE TEMP	70 °C ( 158 ° F )								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

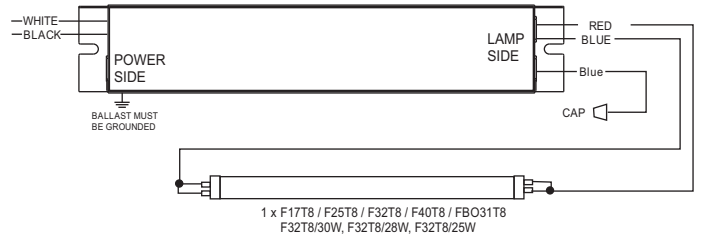
**MECHANICAL DATA**



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

**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	24 ± 1"	24 ± 1"	46 ± 1"	32 ± 1"		



NOTE : This Ballast Case Must Be Grounded

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**This Ballast Will Operate Following Lamps.**

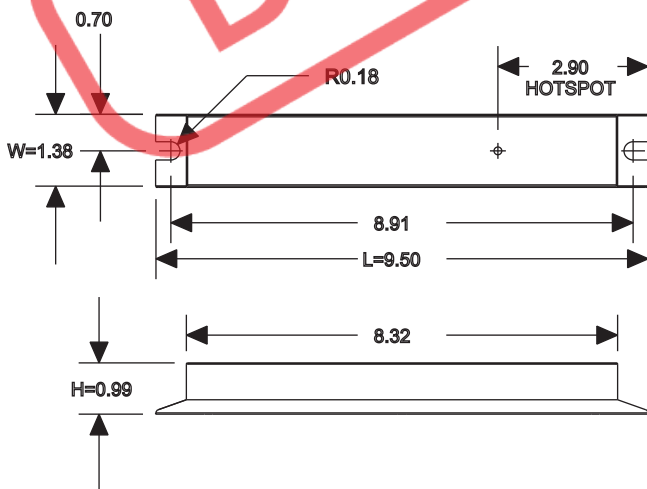


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA ( With 230 Volt Application )**

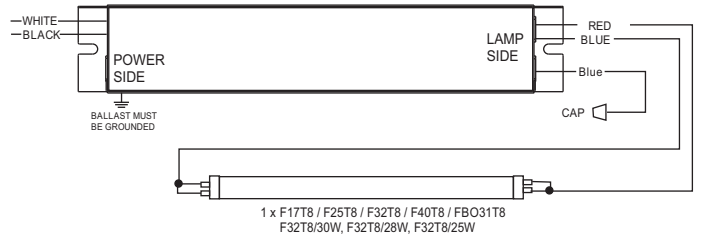
INPUT VOLT: 230V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/30	F32T8/28	F32T8/25	-
LAMPS OPERATED	1								
INPUT WATTS	18.63	25.45	30.69	36.60	29.82	28.94	26.45	24.48	
LINE CURRENT:	0.083	0.112	0.135	0.161	0.131	0.127	0.117	0.108	
POWER FACTOR	0.98	0.99	0.99	0.99	0.99	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 °C ( 0 ° F )								
MAX. CASE TEMP	70 °C ( 158 ° F )								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

**MECHANICAL DATA**



**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	24 ± 1"	24 ± 1"	46 ± 1"	32 ± 1"		



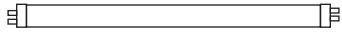
NOTE : This Ballast Case Must Be Grounded

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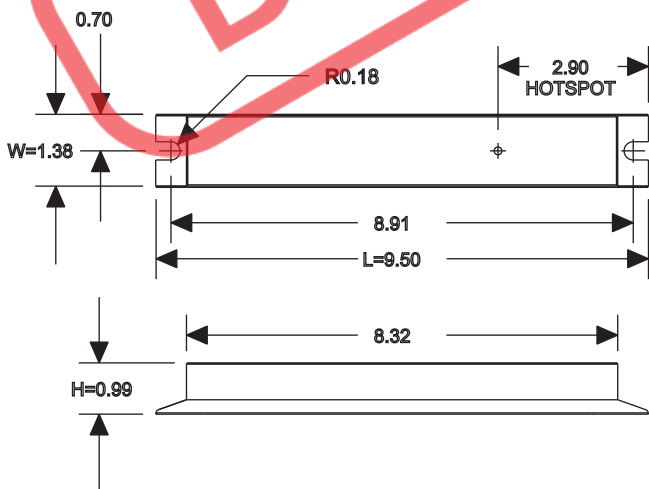


F17T8 / F25T8 / F32T8 / FBO31T8 / F40T8  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA ( With 277 Volt Application )**

INPUT VOLT: 277V ± 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 °C ( 0 ° F )								
MAX. CASE TEMP	70 °C ( 158 ° F )								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P " , 1 OUTDOOR								

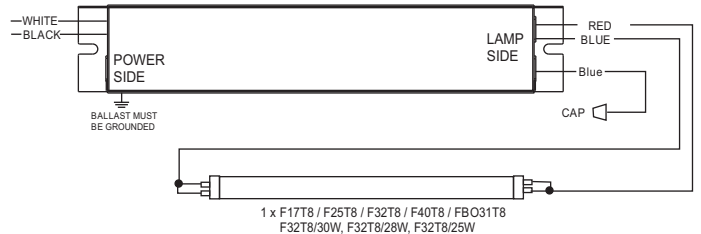
**MECHANICAL DATA**



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

**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	24 ± 1"	24 ± 1"	46 ± 1"	32 ± 1"		



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