



# WHS G2-UNV-T8-IS

## Instant Start Fluorescent Ballast

- Solid State Electronic Ballast
- Universal Voltage: 120-277VAC ±10%, 50/60Hz
- Instant Start
- UL / cUL Listed, Class P

## This Ballast Will Operate The Following Lamps:



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

## General Specifications

Input Voltage	120 - 277VAC ±10%, 50 / 60Hz
Lamps Operated	1 or 2 Lamps
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
Min. Operating Temp	-18°C (0°F)
Max. Case Temp	70°C (158°F)
Type "HL" Approval	Approved For Hazardous Location
Approvals Class	UL / cUL Listed, Class "P", 1 Outdoor
Warranty	5 Years from the date of manufacture when properly installed

## Electrical Data @120VAC

Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
F17T8	1	22.97	0.194	0.99	0.95	4.12	10.1%
F25T8	1	28.84	0.242	0.99	1.03	3.56	9.7%
F32T8	1	36.96	0.310	0.99	1.01	2.72	7.6%
F40T8	1	46.59	0.390	0.99	1.06	2.27	7.0%
FBO31T8	1	35.46	0.297	0.99	1.03	2.90	8.5%
F32T8/30	1	34.11	0.286	0.99	1.02	2.98	8.2%
F32T8/28	1	30.47	0.255	0.99	0.96	3.16	8.8%
F32T8/25	1	30.04	0.252	0.99	0.98	3.25	8.6%
F17T8	2	33.52	0.281	0.99	0.95	2.84	8.8%
F25T8	2	46.33	0.388	0.99	0.91	1.96	7.2%
F32T8	2	60.33	0.504	0.99	0.90	1.50	6.1%
FBO31T8	2	58.17	0.487	0.99	0.91	1.56	7.1%
F32T8/30	2	56.65	0.474	0.99	0.90	1.60	6.2%
F32T8/28	2	50.19	0.420	0.99	0.86	1.71	6.7%
F32T8/25	2	47.25	0.395	0.99	0.95	2.01	6.8%

## Electrical Data @230VAC

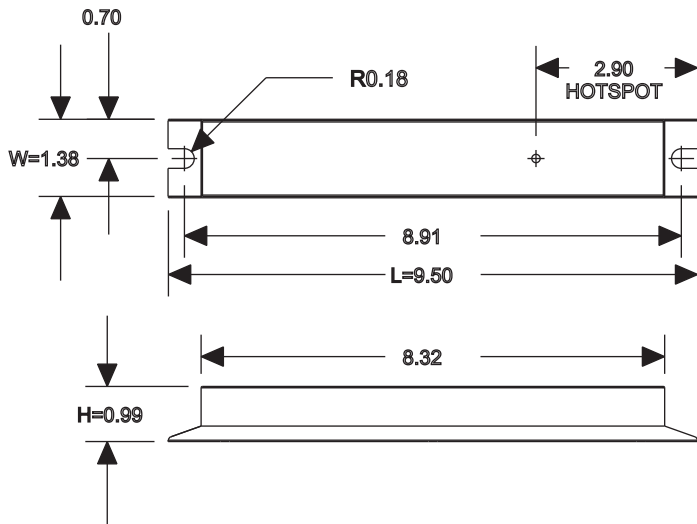
Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
F17T8	1	22.26	0.101	0.96	1.12	5.01	9.3%
F25T8	1	30.11	0.134	0.98	1.12	3.71	7.8%
F32T8	1	36.53	0.161	0.98	1.06	2.89	7.0%
F40T8	1	43.24	0.190	0.99	1.04	2.40	6.4%
FBO31T8	1	35.23	0.156	0.98	1.05	2.99	7.1%
F32T8/30	1	34.14	0.151	0.98	1.04	3.06	7.5%
F32T8/28	1	31.11	0.138	0.98	1.02	3.27	7.7%
F32T8/25	1	28.42	0.127	0.98	1.04	3.67	7.7%
F17T8	2	34.27	0.152	0.98	0.98	2.86	7.4%
F25T8	2	47.65	0.209	0.99	0.96	2.01	6.3%
F32T8	2	60.48	0.265	0.99	0.89	1.48	6.5%
FBO31T8	2	56.45	0.248	0.99	0.92	1.62	7.3%
F32T8/30	2	54.28	0.238	0.99	0.91	1.67	6.7%
F32T8/28	2	50.24	0.221	0.99	0.89	1.76	6.2%
F32T8/25	2	47.03	0.207	0.99	0.95	2.03	6.3%

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## Electrical Data @277VAC

Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
F17T8	1	23.24	0.091	0.92	0.95	4.08	14.6%
F25T8	1	28.79	0.110	0.94	1.03	3.57	12.2%
F32T8	1	36.52	0.136	0.97	1.05	2.31	6.2%
F40T8	1	45.40	0.168	0.97	1.05	2.31	6.2%
FBO31T8	1	34.97	0.130	0.97	1.03	2.93	9.5%
F32T8/30	1	34.24	0.128	0.96	1.03	3.02	8.4%
F32T8/28	1	30.60	0.115	0.96	0.98	3.19	10.4%
F32T8/25	1	30.61	0.116	0.95	1.01	3.29	10.2%
F17T8	2	33.27	0.124	0.96	0.96	2.88	10.0%
F25T8	2	45.47	0.168	0.97	0.91	2.01	6.3%
F32T8	2	58.43	0.214	0.99	0.90	1.55	6.0%
FBO31T8	2	56.33	0.206	0.99	0.91	1.62	5.6%
F32T8/30	2	55.11	0.202	0.98	0.91	1.64	5.9%
F32T8/28	2	49.29	0.181	0.98	0.86	1.74	6.0%
F32T8/25	2	45.08	0.166	0.98	0.91	2.03	6.1%

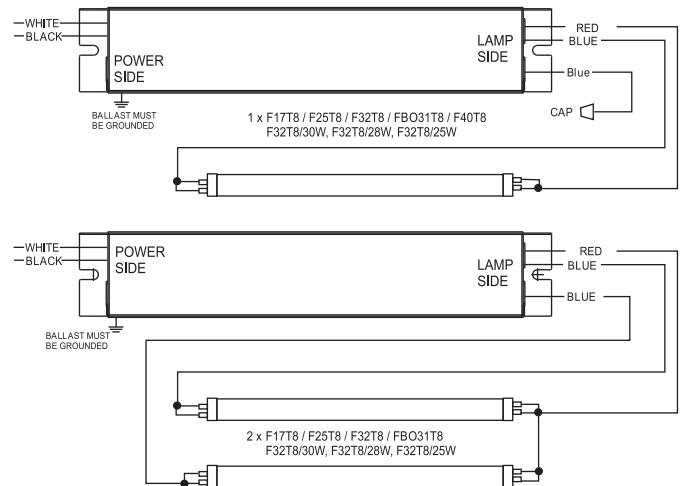
## Mechanical Data



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

## Wiring Diagram

Wire Color	Length (Inches)	Wire Color	Length (Inches)
Black	24" ±1"	Red	46" ±1"
White	24" ±1"	Blue	32" ±1"



Note: This ballast case must be grounded