



SPECIFICATION SHEET : WH8-277-L

This Is An Original Product From Fulham Co., Inc

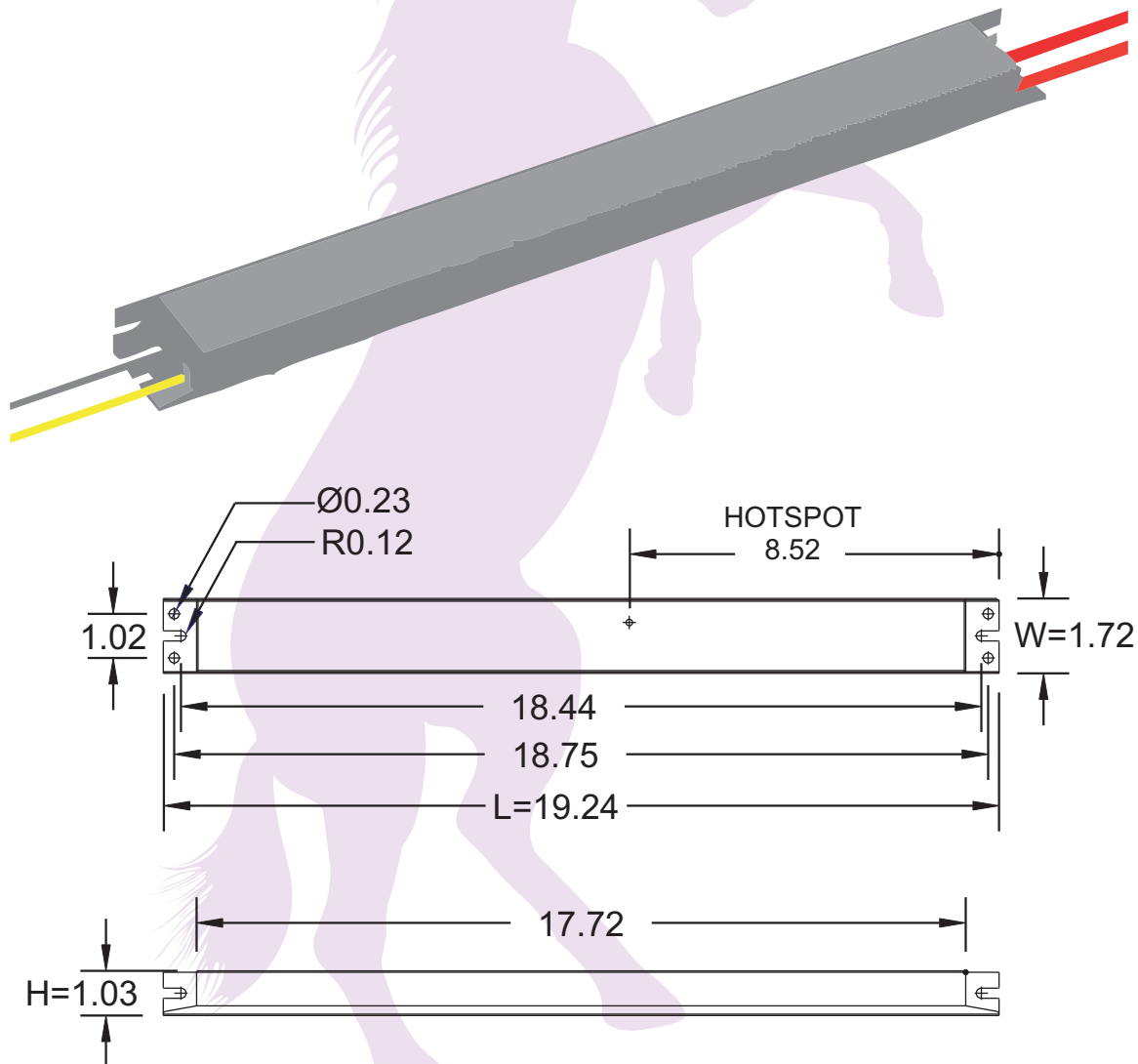
Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.

This Ballast Will Operate Following Lamps.

ELECTRICAL/MECHANICAL DATA (230V APPLICATION)

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	12 ± 1"	12 ± 1"	36 ± 1"	-	36 ± 1"	-

WIRING DIAGRAMS REFER TO FULHAM's CATALOGUE
NOTE : This Ballast 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 2006-169-1 rev



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Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.

This Ballast Will Operate Following Lamps.



TWIN(CFT/E), 4 PIN

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	CFT36W	CFT36W	CFT40W	CFT36W	CFT40W	CFT50W	CFT36W	CFT40W	-
LAMPS OPERATED	6	5		4			3		
WIRING DIAGRAM #	29	28		27			25		
INPUT WATTS	178	158	215	134	182	188	111	148	
LINE CURRENT:	0.68	0.61	0.82	0.52	0.70	0.72	0.43	0.57	
POWER FACTOR	0.95	0.94	0.95	0.94	0.95	0.95	0.94	0.94	
BALLAST FACTOR	0.80	0.85	0.94	0.89	0.99	0.82	0.93	1.02	
EFFICACY FACTOR	0.45	0.53	0.44	0.66	0.54	0.44	0.83	0.69	
THD	32%	33%	31%	34%	32%	32%	35%	34%	
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 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz								
LAMP WATTS/TYPE	CFT50W	CFT55W	CFT36W	CFT50W	CFT55W	CFT96W	CFT55W	CFT96W
LAMPS OPERATED	3		2				1	
WIRING DIAGRAM #	25		22			23	16	17
INPUT WATTS	153	188	82	115	133	207	63	126
LINE CURRENT:	0.59	0.72	0.32	0.45	0.51	0.79	0.25	0.49
POWER FACTOR	94.35	0.95	0.92	0.93	0.94	0.95	0.91	0.94
BALLAST FACTOR	0.85	0.94	0.60	0.82	0.57	0.94	0.78	1.07
EFFICACY FACTOR	0.56	0.50	0.74	0.72	0.43	0.45	1.24	0.85
THD	33%	32%	37%	35%	35%	31%	38%	34%
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 $^{\circ}$ C (0 $^{\circ}$ F)							
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)							
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0	-							
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR							

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Address : 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-599-5000, Fax.: 1-323-754-9060. Website: www.fulham.com 2006-198-2 rev



SPECIFICATION SHEET : **WH8-277-L**

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This Ballast Will Operate Following Lamps.



T5HO

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F24T5HO	F24T5HO	F24T5HO	F39T5HO	F39T5HO	F54T5HO	F54T5HO	F80T5HO	-
LAMPS OPERATED	6	5	4	3	2	1			
WIRING DIAGRAM #	29	28	27	25	22	16			
INPUT WATTS	141	125	109	163	133	110	70	87	
LINE CURRENT:	0.54	0.48	0.42	0.62	0.51	0.43	0.27	0.34	
POWER FACTOR	0.94	0.94	0.94	0.94	0.94	0.93	0.92	0.93	
BALLAST FACTOR	0.87	0.91	0.95	0.88	0.92	0.86	0.93	0.82	
EFFICACY FACTOR	0.62	0.73	0.87	0.54	0.69	0.78	1.34	0.94	
THD	32%	35%	36%	33%	34%	36%	38%	36%	
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 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

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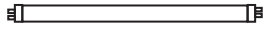


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This Ballast Will Operate Following Lamps.



T8

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F13T8	F14T8	F15T8	F17T8	F18T8	F25T8	F30T8	F32T8	
LAMPS OPERATED	6								
WIRING DIAGRAM #	29								
INPUT WATTS	67	85	102	122	122	166	172	223	
LINE CURRENT:	0.26	0.33	0.39	0.47	0.48	0.63	0.66	0.85	
POWER FACTOR	0.93	0.93	0.94	0.94	0.93	0.94	0.94	0.95	
BALLAST FACTOR	0.76	0.88	1.13	1.17	1.00	1.15	0.91	1.16	
EFFICACY FACTOR	1.13	1.03	1.11	0.96	0.82	0.70	0.53	0.52	
THD	32%	35%	35%	34%	35%	32%	33%	31%	
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 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

INPUT VOLT: 277V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	F13T8	F14T8	F15T8	F18T8	F30T8	F13T8	F14T8	F18T8	F30T8
LAMPS OPERATED	5					4			
WIRING DIAGRAM #	28					27			
INPUT WATTS	61	74	88	109	151	54	64	95	129
LINE CURRENT:	0.24	0.29	0.34	0.43	0.58	0.21	0.25	0.38	0.50
POWER FACTOR	0.92	0.93	0.93	0.91	0.94	0.92	0.92	0.91	0.94
BALLAST FACTOR	0.78	0.90	1.10	1.08	0.96	0.74	0.85	1.14	1.01
EFFICACY FACTOR	1.28	1.23	1.24	1.00	0.64	1.37	1.33	1.20	0.78
THD	38%	37%	36%	40%	33%	38%	38%	41%	3410%
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	-								
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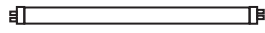


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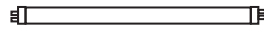
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T8



T8HO

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F14T8	F18T8	F30T8	-	-	-	-	-	-
LAMPS OPERATED	3								
WIRING DIAGRAM #	25								
INPUT WATTS	55	80	106						
LINE CURRENT:	0.21	0.31	0.41						
POWER FACTOR	0.93	0.93	0.94						
BALLAST FACTOR	0.99	1.16	1.06						
EFFICACY FACTOR	1.81	1.46	1.00						
THD	38%	37%	35%						
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								

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F60T8HO	F60T8HO	F72T8HO	F60T8HO	F72T8HO	-	-	-	-
LAMPS OPERATED	4	3		2					
WIRING DIAGRAM #	27	25		22					
INPUT WATTS	202	164	197	120	145				
LINE CURRENT:	0.77	0.63	0.74	0.46	0.56				
POWER FACTOR	0.95	0.95	0.95	0.94	0.94				
BALLAST FACTOR	0.85	0.88	0.90	0.93	0.96				
EFFICACY FACTOR	0.42	0.54	0.46	0.77	0.66				
THD	32%	32%	31%	35%	33%				
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								

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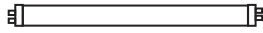


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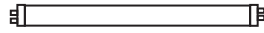
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T10



T10VHO

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz								
LAMP WATTS/TYPE	F40T10	F40T10	F40T10	F48T10VHO	F60T10VHO	F72T10VHO	-	-
LAMPS OPERATED	5	4	2	1				
WIRING DIAGRAM #	28	27	22	19				
INPUT WATTS	179	156	97	101	122	140		
LINE CURRENT:	0.68	0.60	0.38	0.39	0.47	0.54		
POWER FACTOR	0.95	0.94	0.93	0.93	0.93	0.94		
BALLAST FACTOR	0.85	0.92	1.04	0.80	0.80	0.82		
EFFICACY FACTOR	0.48	0.59	1.07	0.79	0.66	0.59		
THD	32%	33%	36%	36%	35%	34%		
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 $^{\circ}$ C (0 $^{\circ}$ F)							
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)							
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0	-							
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR							

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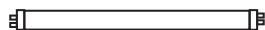


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T12

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz								
LAMP WATTS/TYPE	F14T12	F15T12	F20T12	-	-	-	-	-
LAMPS OPERATED	6							
WIRING DIAGRAM #	29							
INPUT WATTS	76	86	112					
LINE CURRENT:	0.30	0.34	0.44					
POWER FACTOR	0.91	0.92	0.93					
BALLAST FACTOR	0.73	0.77	0.82					
EFFICACY FACTOR	0.96	0.90	0.73					
THD	32%	37%	35%					
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 $^{\circ}$ C (0 $^{\circ}$ F)							
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)							
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0	-							
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR							

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F14T12	F15T12	F20T12	F24T12	F30T12	F36T12	F40T12	F42T12	F48T12
LAMPS OPERATED	5								
WIRING DIAGRAM #	28								
INPUT WATTS	69	76	99	92	138	134	170	152	172
LINE CURRENT:	0.28	0.30	0.39	0.37	0.53	0.52	0.66	0.59	0.66
POWER FACTOR	0.90	0.90	0.92	0.91	0.93	0.93	0.94	0.93	0.93
BALLAST FACTOR	0.76	0.80	0.86	0.67	0.87	0.86	0.85	0.72	0.80
EFFICACY FACTOR	1.10	1.06	0.86	0.72	0.63	0.64	0.50	0.47	0.47
THD	40%	36%	37%	37%	34%	33%	33%	34%	3360%
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								
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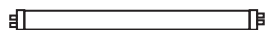


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T12

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F14T12	F15T12	F20T12	F24T12	F25T12	F30T12	F36T12	F40T12	F42T12
LAMPS OPERATED	4								
WIRING DIAGRAM #	27								
INPUT WATTS	60	66	87	80	108	119	114	147	132
LINE CURRENT:	0.25	0.27	0.35	0.32	0.43	0.47	0.45	0.57	0.51
POWER FACTOR	0.88	0.88	0.90	0.90	0.92	0.92	0.92	0.93	0.93
BALLAST FACTOR	0.79	0.84	0.90	0.69	0.96	0.92	0.88	0.89	0.87
EFFICACY FACTOR	1.32	1.28	1.04	0.86	0.88	0.78	0.78	0.61	0.66
THD	43%	38%	38%	39%	37%	36%	36%	32%	3500%
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								

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F48T12	F60T12	F64T12	F72T12	F14T12	F20T12	F24T12	F25T12	F30T12
LAMPS OPERATED	4				3				
WIRING DIAGRAM #	27				25				
INPUT WATTS	149	184	192	209	50	72	68	88	98
LINE CURRENT:	0.58	0.71	0.74	0.80	0.20	0.28	0.26	0.34	0.38
POWER FACTOR	0.93	0.94	0.94	0.94	0.92	0.93	0.93	0.93	0.93
BALLAST FACTOR	0.81	0.78	0.83	0.73	0.82	0.95	0.73	1.02	0.98
EFFICACY FACTOR	0.54	0.42	0.43	0.35	1.62	1.33	1.08	1.17	1.00
THD	33%	33%	32%	32%	39%	38%	37%	36%	36%
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								

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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 2006-169-8 rev

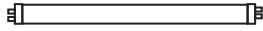


SPECIFICATION SHEET : WH8-277-L

This Is An Original Product From Fulham Co., Inc

Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.

This Ballast Will Operate Following Lamps.



T12

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F36T12	F40T12	F42T12	F48T12	F60T12	F64T12	F72T12	F84T12	-
LAMPS OPERATED	3								
WIRING DIAGRAM #	25								
INPUT WATTS	94	121	111	121	149	158	171	197	
LINE CURRENT:	0.36	0.47	0.43	0.46	0.57	0.60	0.65	0.75	
POWER FACTOR	0.93	0.94	0.94	0.94	0.94	0.94	0.95	0.95	
BALLAST FACTOR	0.93	0.96	0.80	0.84	0.83	0.89	0.79	0.78	
EFFICACY FACTOR	0.99	0.79	0.72	0.70	0.56	0.56	0.46	0.40	
THD	36%	34%	35%	35%	33%	33%	32%	31%	
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 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F24T12	F25T12	F30T12	F36T12	F40T12	F42T12	F48T12	F60T12	F64T12
LAMPS OPERATED	2								
WIRING DIAGRAM #	22								
INPUT WATTS	53	68	75	72	93	85	92	112	119
LINE CURRENT:	0.21	0.27	0.30	0.28	0.36	0.33	0.36	0.44	0.46
POWER FACTOR	0.90	0.92	0.92	0.92	0.93	0.93	0.93	0.93	0.93
BALLAST FACTOR	0.76	1.09	1.06	0.99	1.06	0.87	0.92	0.90	0.96
EFFICACY FACTOR	1.43	1.61	1.40	1.38	1.14	1.02	1.00	0.80	0.81
THD	38%	38%	37%	38%	36%	36%	36%	35%	34%
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 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

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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.

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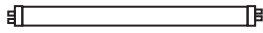


SPECIFICATION SHEET : **WH8-277-L**

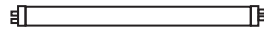
This Is An Original Product From Fulham Co., Inc

Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.

This Ballast Will Operate Following Lamps.



T12



T12HO

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz							
LAMP WATTS/TYPE	F72T12	F84T12	F96T12 60W	F96T12 75W	-	-	-
LAMPS OPERATED	2						
WIRING DIAGRAM #	22						
INPUT WATTS	129	148	129	159			
LINE CURRENT:	0.50	0.57	0.50	0.61			
POWER FACTOR	0.94	0.94	0.94	0.95			
BALLAST FACTOR	0.86	0.86	0.90	0.92			
EFFICACY FACTOR	0.66	0.58	0.70	0.58			
THD	33%	32%	34%	32%			
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 $^{\circ}$ C (0 $^{\circ}$ F)						
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)						
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION						
ENERGY STAR 4.0	-						
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR						

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F18T12HO	F24T12HO	F30T12HO	F36T12HO	F42T12HO	F48T12HO	F60T12HO	-	-
LAMPS OPERATED	3								
WIRING DIAGRAM #	26								
INPUT WATTS	69	90	108	122	145	134	194		
LINE CURRENT:	0.27	0.35	0.42	0.47	0.56	0.61	0.74		
POWER FACTOR	0.93	0.93	0.94	0.94	0.94	0.94	0.95		
BALLAST FACTOR	0.72	0.74	0.80	0.81	0.84	0.87	0.89		
EFFICACY FACTOR	1.04	0.83	0.74	0.67	0.58	0.65	0.46		
THD	32%	36%	35%	35%	34%	85%	32%		
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 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

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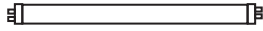


SPECIFICATION SHEET : **WH8-277-L**

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Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.

This Ballast Will Operate Following Lamps.



T12HO

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz									
LAMP WATTS/TYPE	F18T12HO	F24T12HO	F30T12HO	F36T12HO	F42T12HO	F48T12HO	F60T12HO	F64T12HO	F72T12HO
LAMPS OPERATED	2								
WIRING DIAGRAM #	23								
INPUT WATTS	54	70	83	93	109	100	147	154	170
LINE CURRENT:	0.21	0.27	0.32	0.36	0.42	0.47	0.57	0.59	0.65
POWER FACTOR	0.92	0.92	0.93	0.93	0.93	0.93	0.94	0.94	0.94
BALLAST FACTOR	0.74	0.81	0.87	0.88	0.92	0.96	0.98	0.94	1.00
EFFICACY FACTOR	1.38	1.16	1.05	0.95	0.84	0.96	0.67	0.61	0.59
THD	38%	37%	36%	36%	35%	34%	34%	33%	32%
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 $^{\circ}$ C (0 $^{\circ}$ F)								
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)								
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0	-								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz						
LAMP WATTS/TYPE	F84T12HO	F96T12HO 95W	F96T12HO 110W	-	-	-
LAMPS OPERATED	2					
WIRING DIAGRAM #	23					
INPUT WATTS	203	182	218			
LINE CURRENT:	0.78	0.70	0.83			
POWER FACTOR	0.94	0.94	0.95			
BALLAST FACTOR	1.03	0.93	1.25			
EFFICACY FACTOR	0.51	0.51	0.57			
THD	31%	32%	31%			
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 $^{\circ}$ C (0 $^{\circ}$ F)					
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)					
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION					
ENERGY STAR 4.0	-					
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR					

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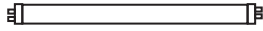


SPECIFICATION SHEET : **WH8-277-L**

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This Ballast Will Operate Following Lamps.



T12VHO

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V $\pm$ 10%, 50/60Hz							
LAMP WATTS/TYPE	F48T12VHO	F60T12VHO	F72T12VHO	F96T12VHO	-	-	-
LAMPS OPERATED	1						
WIRING DIAGRAM #	19						
INPUT WATTS	112	129	134	206			
LINE CURRENT:	0.43	0.50	0.52	0.79			
POWER FACTOR	0.93	0.94	0.94	0.95			
BALLAST FACTOR	0.88	0.87	0.78	0.94			
EFFICACY FACTOR	0.79	0.68	0.58	0.46			
THD	32%	34%	34%	31%			
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 $^{\circ}$ C (0 $^{\circ}$ F)						
MAX. CASE TEMP	70 $^{\circ}$ C (158 $^{\circ}$ F)						
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION						
ENERGY STAR 4.0	-						
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR						

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