

Contact Fulham for availability. Not for use in new designs.

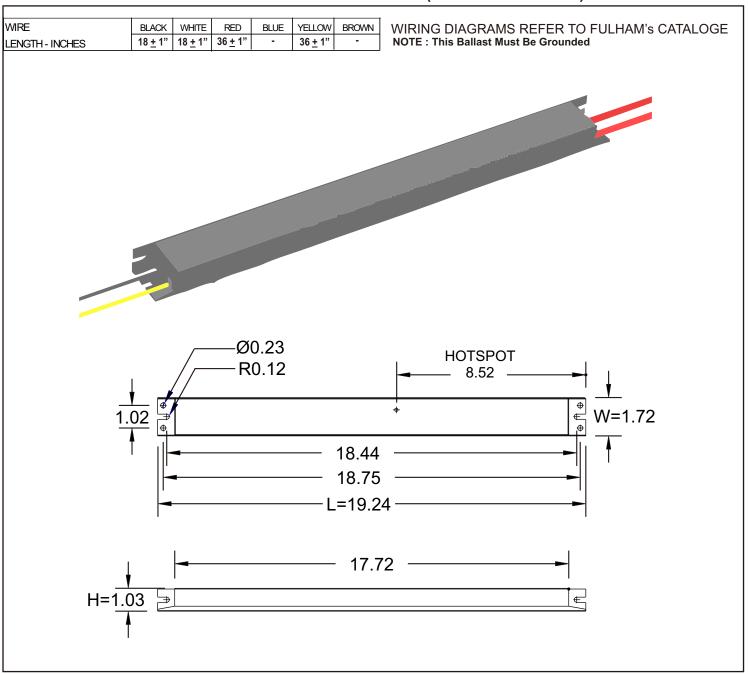
SPECIFICATION SHEET: WH8-277-L

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)



Fulham Co., Inc extends limited warranty only to the original purchaser or to the first user for the period of <u>5 years</u> 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 <u>call Customer Service at 1-323-599-5000.</u>

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9

TWIN(CFT/E), 4 PIN

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V ± 10%,	50/60Hz									
LAMP WATTS/TYPE	CFT36W	CFT36W	CFT40W	CFT36W	CFT40W	CFT50W	CFT36W	CFT40W	-	
LAMPS OPERATED	6	;	5 4 3					3		
WIRING DIAGRAM #	29	2	.8		27		2	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				IN:	STANT STA	RT				
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	1993				
INPUT/PROTECTION					FUSE					
OUTPUT/PROTECTION					-					
MIN. STARTING TEMP				-	18 °C (0 ° F	·)				
MAX. CASE TEMP				70) ⁰ C (158 ⁰ I	=)				
TYPE "HL" APPROVAL			APP	ROVED FO	R HAZARD	OUS LOCAT	ΓΙΟΝ			
ENERGY STAR 4.0		-								
APPROVALS/CLASS			UL /	cUL LISTED	, CLASS " F	", 1 OUTD	OOR	•		

INPUT VOLT: 277V ± 10%,	EO/GOLL-										
· · · · · · · · · · · · · · · · · · ·		05755144	LOSTONIA	0555014	0575514/	0570011	LOSTSSIN	0570014			
LAMP WATTS/TYPE	CFT50W	CFT55W	CFT36W	CFT50W	CFT55W 2	CFT96W	CFT55W	CFT96W			
LAMPS OPERATED		3				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 P	PART 18-A (N	ION-CONSU	MER)					
SOUND RATING				" △	۱ "						
BALLAST TYPE				INSTANT	START						
VOLTAGE TRANSIENTS				ANSI C82.	.11 - 1993						
INPUT/PROTECTION				FU	SE						
OUTPUT/PROTECTION				-	•						
MIN. STARTING TEMP				- 18 ⁰ C	(0°F)						
MAX. CASE TEMP				70 °C (1	158 ⁰ F)						
TYPE "HL" APPROVAL		APPROVED FOR HAZARDOUS LOCATION									
ENERGY STAR 4.0		-									
APPROVALS/CLASS		•	UL /cUL L	ISTED, CLAS	SS " P ", 1 Ol	JTDOOR	•	•			

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T5HO

Discontinued

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.

INDUIT VOLT OFFICE 4004	50/0011									
INPUT VOLT: 277V ± 10%,						_				
LAMP WATTS/TYPE	F24T5HO	F24T5HO	F24T5HO	F39T5HO	F39T5HO	F54T5HO	F54T5HO	F80T5HO	-	
LAMPS OPERATED	6	5	2	1	3	2		1		
WIRING DIAGRAM#	29	28	2	7	25	22	1	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				IN	STANT STA	RT				
VOLTAGE TRANSIENTS				AN:	SI C82.11 - 1	1993				
INPUT/PROTECTION					FUSE					
OUTPUT/PROTECTION					-					
MIN. STARTING TEMP				-	18 °C (0 ° F)				
MAX. CASE TEMP		•	•	7	0 °C (158 ° F	=)	_			
TYPE "HL" APPROVAL			API	PROVED FO	R HAZARDO	OUS LOCAT	ION			
ENERGY STAR 4.0					-					
APPROVALS/CLASS			UL .	cul Lister), CLASS " F	", 1 OUTDO	OOR			



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

T8

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V ± 10%,	50/60Hz										
LAMP WATTS/TYPE	F13T8	F14T8	F15T8	F17T8	F18T8	F25T8	F30T8	F32T8			
LAMPS OPERATED		6									
WIRING DIAGRAM#				2	9						
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				IN	STANT STA	RT					
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	993					
INPUT/PROTECTION					FUSE						
OUTPUT/PROTECTION					-						
MIN. STARTING TEMP				-	18 °C (0 ° F)					
MAX. CASE TEMP				70) ⁰ C(158 ⁰ F	-)					
TYPE "HL" APPROVAL			AP	PROVED FO	R HAZARDO	DUS LOCAT	ION				
ENERGY STAR 4.0											
APPROVALS/CLASS			UL	/cUL LISTED	, CLASS " P	", 1 OUTDC	OR	•			

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				2	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-C	ONSUMER))	•	-	
SOUND RATING					" A "					
BALLAST TYPE				IN	STANT STA	RT				
VOLTAGE TRANSIENTS				AN:	SI C82.11 - 1	993				
INPUT/PROTECTION					FUSE					
OUTPUT/PROTECTION					-					
MIN. STARTING TEMP				-	18 °C (0 ° F)				
MAX. CASE TEMP				7	0 ºC(158 º F	-)				
TYPE "HL" APPROVAL			AP	PROVED FO	R HAZARDO	DUS LOCAT	ION			
ENERGY STAR 4.0					-					
APPROVALS/CLASS			UL	/cUL LISTED), CLASS " P	", 1 OUTDC	OR			

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This Ballast Will Operate Following Lamps.		Power Fa			t, Availal	ole In 120	/230/277	V 50/60	Hz.	
T8	This Ballast Will Op	erate Fo	llowing L	_amps.						
T8	1									
INPUT_VOLT: 277V ± 10%, 50/60Hz	a									
INPUT VOLT: 277V ± 10%, 50/60Hz	Т8		T8HO							
INPUT VOLT: 277V ± 10%, 50/60Hz										
INPUT VOLT: 277V ± 10%, 50/60Hz										
LAMP WATTS/TYPE F14T8 F18T8 F30T8		EL	ECTRIC	AL DATA	(FOR 27	7V APPL	ICATION)		
LAMP WATTS/TYPE F14T8 F18T8 F30T8	INPUT VOLT: 277V + 10%				<u>`</u>			<u>'</u>		
LAMPS OPERATED 3			F18T8	F30T8	T -	T -	_	I -	_	_
WIRING DIAGRAM # 25										
INPUT WATTS			25						_	
DOWER FACTOR		55	80	106						
BALLAST FACTOR 0.99	LINE CURRENT:	0.21	0.31	0.41					1	
EFFICACY FACTOR	POWER FACTOR	0.93	0.93	0.94						
THD	BALLAST FACTOR	0.99	1.16	1.06						
EMI/RFI COMPLIANCE	EFFICACY FACTOR	1.81	1.46	1.00						
SOUND RATING	THD	38%	37%	35%						
BALLAST TYPE	EMI/RFI COMPLIANCE				FCC PART	18-A (NON-0	CONSUMER)		
VOLTAGE TRANSIENTS						" A "				
INPUT/PROTECTION	BALLAST TYPE									
OUTPUT/PROTECTION -	VOLTAGE TRANSIENTS				AN	SI C82.11 - 1	1993			
MIN. STARTING TEMP MAX. CASE TEMP TO °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 ± 10%, 50/60Hz LAMP WATTS/TYPE F60T8HO F60T8HO F72T8HO F60T8HO F72T8HO						FUSE				
MAX. CASE TEMP	OUTPUT/PROTECTION					-				
TYPE "HL" APPROVAL APPROVED FOR HAZARDOUS LOCATION	MIN. STARTING TEMP									
ENERGY STAR 4.0	MAX. CASE TEMP					<u> </u>				
APPROVALS/CLASS				AP	PROVED FO	R HAZARD	OUS LOCAT	ION		
INPUT VOLT: 277V ± 10%, 50/60Hz						-				
LAMP WATTS/TYPE	APPROVALS/CLASS			UL	/cUL LISTE	D, CLASS " F	", 1 OUTDO	OR		
LAMP WATTS/TYPE										
LAMPS OPERATED	INPUT VOLT: 277V ± 10%,	50/60Hz								
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 - OUTPUT/PROTECTION - MIN. STARTING TEMP - MAX. CASE TEMP - TYPE "HL" APPROVAL APPROVED FOR HAZARDOUS LOCATION ENERGY STAR 4.0 -			F60T8HO	F72T8HO	F60T8HO	F72T8HO	-	_	T -	-
INPUT WATTS	LAMPS OPERATED	4	;	3		2				
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 -	WIRING DIAGRAM#	27	2	25	2	22				
POWER FACTOR 0.95 0.95 0.95 0.94 0.94 0.94 BALLAST FACTOR 0.85 0.88 0.90 0.93 0.96 </td <td>INPUT WATTS</td> <td>202</td> <td>164</td> <td>197</td> <td>120</td> <td>145</td> <td></td> <td></td> <td></td> <td></td>	INPUT WATTS	202	164	197	120	145				
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 -	LINE CURRENT:	0.77	0.63	0.74	0.46	0.56				
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 -						0.94				
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 -	BALLAST FACTOR	0.85	0.88	0.90	0.93	0.96				
EMI/RFI COMPLIANCE SOUND RATING "A" BALLAST TYPE INSTANT START VOLTAGE TRANSIENTS INPUT/PROTECTION FUSE OUTPUT/PROTECTION MIN. STARTING TEMP MAX. CASE TEMP TYPE "HL" APPROVAL ENERGY STAR 4.0 FCC PART 18-A (NON-CONSUMER) "A" INSTANT START ANSI C82.11 - 1993 FUSE OUTPUT/PROTECTION - 18 °C (0°F) 70 °C (158 °F) APPROVED FOR HAZARDOUS LOCATION ENERGY STAR 4.0					0.77	0.66				
SOUND RATING "A" BALLAST TYPE INSTANT START VOLTAGE TRANSIENTS ANSI C82.11 - 1993 INPUT/PROTECTION FUSE OUTPUT/PROTECTION - MIN. STARTING TEMP ANSI C82.11 - 1993 FUSE OUTPUT/PROTECTION - MIN. STARTING TEMP 70 °C (158 °F) TYPE "HL" APPROVAL APPROVED FOR HAZARDOUS LOCATION ENERGY STAR 4.0 -		32%	32%							
BALLAST TYPE INSTANT START VOLTAGE TRANSIENTS INPUT/PROTECTION FUSE OUTPUT/PROTECTION MIN. STARTING TEMP ANSI C82.11 - 1993 - 18°C (0°F) MAX. CASE TEMP TYPE "HL" APPROVAL ENERGY STAR 4.0 INSTANT START ANSI C82.11 - 1993 FUSE APPROVED FOR HAZARDOUS LOCATION					FCC PART	,	CONSUMER			
VOLTAGE TRANSIENTS INPUT/PROTECTION FUSE OUTPUT/PROTECTION MIN. STARTING TEMP MAX. CASE TEMP TYPE "HL" APPROVAL ENERGY STAR 4.0 ANSI C82.11 - 1993 FUSE ANSI C82.11 - 1993 FUSE ANSI C82.11 - 1993 FUSE APPROVE APPROVED APPROVED FOR HAZARDOUS LOCATION -										
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 -										
OUTPUT/PROTECTION MIN. STARTING TEMP - 18 °C (0 °F) MAX. CASE TEMP TYPE "HL" APPROVAL ENERGY STAR 4.0 - 18 °C (0 °F) - 18 °C (0 °F) APPROVED FOR HAZARDOUS LOCATION					AN		993			
MIN. STARTING TEMP - 18 °C (0 ° F) MAX. CASE TEMP TYPE "HL" APPROVAL ENERGY STAR 4.0 - 18 °C (0 ° F) APPROVED FOR HAZARDOUS LOCATION										
MAX. CASE TEMP 70 °C (158 ° F) TYPE "HL" APPROVAL APPROVED FOR HAZARDOUS LOCATION ENERGY STAR 4.0 -										
TYPE "HL" APPROVAL APPROVED FOR HAZARDOUS LOCATION ENERGY STAR 4.0 -							,			
ENERGY STAR 4.0 -						•	,			
				API	PROVED FO	R HAZARD	DUS LOCAT	ION		
APPROVALS/CLASS UL /cUL LISTED, CLASS " P ", 1 OUTDOOR					/ III I :	-				
	APPROVALS/CLASS			UL	/cul liste), CLASS " F	' ", 1 OUTDC	OR		



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f T10	打10VHO

INPUT VOLT: 277V ± 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			I	FCC PART 18-	A (NON-CONS	UMER)		
SOUND RATING					" A "			
BALLAST TYPE				INST	ANT START			
VOLTAGE TRANSIENTS				ANSI (C82.11 - 1993			
INPUT/PROTECTION					FUSE			
OUTPUT/PROTECTION					-			
MIN. STARTING TEMP				- 18	⁰ C (0 ⁰ F)			
MAX. CASE TEMP				70 °(C (158 ⁰ F)			
TYPE "HL" APPROVAL			APF	ROVED FOR	HAZARDOUS I	OCATION		_
ENERGY STAR 4.0					-			
APPROVALS/CLASS			UL /	cUL LISTED, C	CLASS " P ", 1	OUTDOOR		



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T12

ELECTRICAL DATA (FOR 277V APPLICATION)

			-			•		
INPUT VOLT: 277V ± 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			FC	C PART 18-	A (NON-CON	ISUMER)		
SOUND RATING					" A "			
BALLAST TYPE				INST	ANT START			
VOLTAGE TRANSIENTS				ANSI	082.11 - 1990	3		
INPUT/PROTECTION					FUSE			
OUTPUT/PROTECTION					-			
MIN. STARTING TEMP					⁰ C (0 ⁰ F)			
MAX. CASE TEMP				70 °C	C (158 ⁰ F)			
TYPE "HL" APPROVAL			APPRO	OVED FOR I	HAZARDOUS	LOCATION		
ENERGY STAR 4.0								
APPROVALS/CLASS			UL /cU	L LISTED, C	LASS "P",	1 OUTDOOR		

INPUT VOLT: 277V ± 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				IN	STANT STAI	RT						
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	993						
INPUT/PROTECTION					FUSE							
OUTPUT/PROTECTION					-							
MIN. STARTING TEMP				-	18 °C (0 ° F)						
MAX. CASE TEMP				7(0 °C(158 ° F)						
TYPE "HL" APPROVAL			API	PROVED FO	R HAZARDO	OUS LOCAT	ION					
ENERGY STAR 4.0					-							
APPROVALS/CLASS			UL	/cUL LISTED	, CLASS " P	", 1 OUTDO	OR					

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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.								
<u>₽</u>								
T12								

ELECTRICAL DATA (FOR 277V APPLICATION)

				-							
INPUT VOLT: 277V ± 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-C	CONSUMER))				
SOUND RATING					" A "						
BALLAST TYPE				IN	STANT STA	RT					
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	993					
INPUT/PROTECTION					FUSE						
OUTPUT/PROTECTION					-						
MIN. STARTING TEMP				-	18 °C (0°F)					
MAX. CASE TEMP				7(0 °C(158 ° F	-)					
TYPE "HL" APPROVAL			AP	PROVED FO	R HAZARDO	DUS LOCAT	ION				
ENERGY STAR 4.0											
APPROVALS/CLASS			UL	/cUL LISTED	, CLASS " P	", 1 OUTDC	OR				

INPUT VOLT: 277V ± 10%,	50/60Hz								
LAMP WATTS/TYPE	F48T12	F60T12	F64T12	F72T12	F14T12	F20T12	F24T12	F25T12	F30T12
LAMPS OPERATED		4	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-C	ONSUMER))		
SOUND RATING					" A "				
BALLAST TYPE				IN	STANT STA	RT			
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	993			
INPUT/PROTECTION					FUSE				
OUTPUT/PROTECTION					-				
MIN. STARTING TEMP				-	18 °C (0 ° F)			
MAX. CASE TEMP				7(0 °C(158 ° F)			
TYPE "HL" APPROVAL			API	PROVED FO	R HAZARDO	OUS LOCAT	ION		
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTED	, CLASS " P	", 1 OUTDC	OR		

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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

ELECTRICAL DATA (FOR 277V APPLICATION)

				-			*				
INPUT VOLT: 277V ± 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-C	CONSUMER)				
SOUND RATING					" A "						
BALLAST TYPE				IN	STANT STA	RT					
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	993					
INPUT/PROTECTION					FUSE						
OUTPUT/PROTECTION					-						
MIN. STARTING TEMP				-	18 °C (0 ° F)					
MAX. CASE TEMP		_	•	7(0 °C(158 ° F)	•	_			
TYPE "HL" APPROVAL			API	PROVED FO	R HAZARDO	OUS LOCAT	ION				
ENERGY STAR 4.0					-						
APPROVALS/CLASS			UL	/cUL LISTED), CLASS " P	", 1 OUTDC	OR				

INPUT VOLT: 277V ± 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-C	ONSUMER))				
SOUND RATING					" A "						
BALLAST TYPE				IN	STANT STA	RT					
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	993					
INPUT/PROTECTION					FUSE						
OUTPUT/PROTECTION					-						
MIN. STARTING TEMP				-	18 °C (0 ° F)					
MAX. CASE TEMP				7(0 °C(158 ° F	-)					
TYPE "HL" APPROVAL			API	PROVED FO	R HAZARDO	DUS LOCAT	ION				
ENERGY STAR 4.0					-						
APPROVALS/CLASS			UL	/cUL LISTED), CLASS " P	", 1 OUTDC	OR	•			

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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 Opera	ate Following Lamps.							
	[]							
T12	T12HO							

INPUT VOLT: 277V ± 10%	50/6047						
	,	E04740	F00740 0014	E00740 75W	1		1
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 P	ART 18-A (NON	-CONSUMER)		
SOUND RATING				" A "			
BALLAST TYPE				INSTANT ST	ART		
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			APPROVE	ED FOR HAZARI	DOUS LOCATIO	N	
ENERGY STAR 4.0				-			
APPROVALS/CLASS			UL /cUL L	ISTED, CLASS "	P ", 1 OUTDOO)R	

INPUT VOLT: 277V ± 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-C	ONSUMER)		
SOUND RATING					" A "				
BALLAST TYPE				IN	STANT STA	RT			
VOLTAGE TRANSIENTS				AN	SI C82.11 - 1	993			
INPUT/PROTECTION					FUSE				
OUTPUT/PROTECTION					-				
MIN. STARTING TEMP				-	18 °C (0 ° F)			
MAX. CASE TEMP				7	0 °C (158 ° F	.)			
TYPE "HL" APPROVAL			API	PROVED FO	R HAZARDO	OUS LOCAT	ION		
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTE), CLASS " P	", 1 OUTD	OOR		



SPECIFICATION SHEET: WH8-277-L

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Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size,
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T12HO

ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V ± 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-0	CONSUMER)					
SOUND RATING					" A "							
BALLAST TYPE				IN	ISTANT STA	RT						
VOLTAGE TRANSIENTS				AN	SI C82.11 - 1	1993						
INPUT/PROTECTION					FUSE							
OUTPUT/PROTECTION					-							
MIN. STARTING TEMP					· 18 ⁰ C (0 ⁰ F							
MAX. CASE TEMP				7	0 °C (158 ° I	F)						
TYPE "HL" APPROVAL			AP	PROVED FO	R HAZARD	OUS LOCAT	ION					
ENERGY STAR 4.0					-				-			
APPROVALS/CLASS		•	UL	/cUL LISTE	D, CLASS " F	", 1 OUTDO	OOR	•				

INPUT VOLT: 277V ± 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			INST	ANT START		
VOLTAGE TRANSIENTS			ANSI (C82.11 - 1993		
INPUT/PROTECTION				FUSE		
OUTPUT/PROTECTION				-		
MIN. STARTING TEMP			- 18	⁰ C (0 ⁰ F)		
MAX. CASE TEMP			70 ⁰ (C (158 ⁰ F)		
TYPE "HL" APPROVAL			APPROVED FOR	HAZARDOUS LOCATION	NC	
ENERGY STAR 4.0				-		
APPROVALS/CLASS			UL /cUL LISTED, (CLASS " P ", 1 OUTDO	OR	·

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Contact Fulham for availability. Not for use in new designs.

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.
E∏]E T12VHO

INPUT VOLT: 277V ± 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 °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						