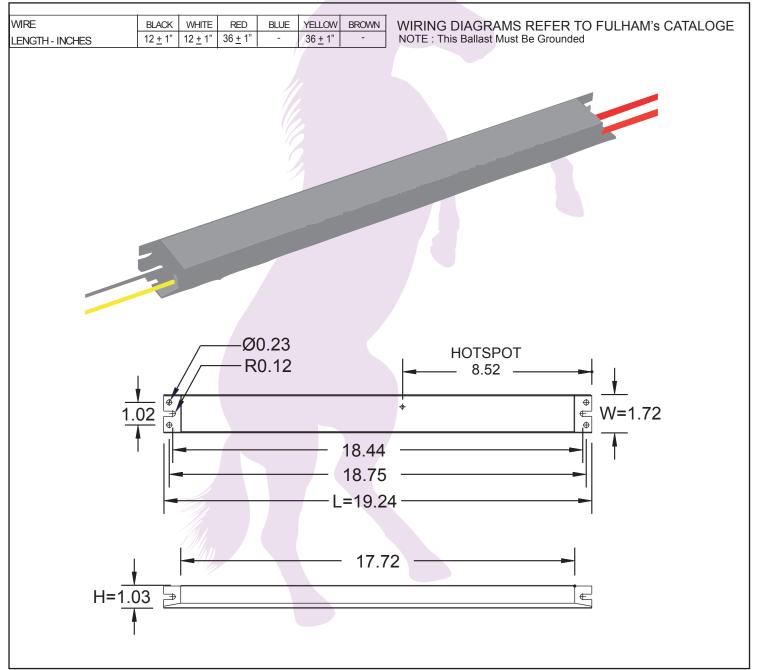


This Is An Original Product From Fulham Co., Inc

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.



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. Data is based upon tests performed by Fulham in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Address: 12705 S. Van Ness Ave., Hawthorne, CA 90250 Website: www.fulham.com To order this product: Fax: 1-323-754-9060 Email: order@fulham.com 2006-169-1 rev

ELECTRICAL/MECHANICAL DATA (230V APPLICATION)



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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.

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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	
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		/	F	CC PART	18-A (NON-0	CONSUMER	2)		
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 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%	, 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 P	ART 18-A (N	ION-CONSU	MER)		
SOUND RATING	11.			" A	ν."			
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 ⁰ C(1	158°F)			
TYPE "HL" APPROVAL			APPROVE	ED FOR HAZ	ARDOUS LC	CATION		
ENERGY STAR 4.0				-				
APPROVALS/CLASS			UL /cUL L	ISTED, CLAS	SS " P ", 1 OI	JTDOOR		



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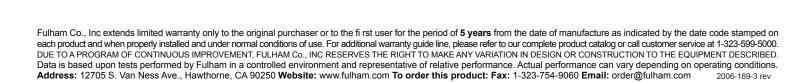
This Ballast Will Operate Following Lamps.

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ELECTRICAL DATA (FOR 277V APPLICATION)

					-			-		
INPUT VOLT: 277V ± 10%	, 50/60Hz									
LAMP WATTS/TYPE	F24T5HO	F24T5HO	F24 ⁻	T5HO	F39T5HO	F39T5HO	F54T5HO	F54T5HO	F80T5HO	-
LAMPS OPERATED	6	5			4	3	2		1	
WIRING DIAGRAM #	29	28	1	2	27	25	22	1	6	
INPUT WATTS	141	125	1	09	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%	3	6%	33%	34%	36%	38%	36%	
EMI/RFI COMPLIANCE			1		FCC PART	18-A (NON-0	CONSUMER)		
SOUND RATING			7			" 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				AP	PROVED FC	RHAZARD	OUS LOCAT	ION		
ENERGY STAR 4.0						-				
APPROVALS/CLASS				UL	/cUL LISTED), CLASS " F	• ", 1 OUTDC	OR		





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This Ballast Will Operate Following Lamps.

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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	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			1	FCC PART	18-A (NON-0	CONSUMER)		
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			AP	PROVED FO	R HAZARD	DUS LOCAT	ION		
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTE	D, CLASS " F	", 1 OUTDO	DOR		

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				ANS	SI C82.11 - 1	993			
INPUT/PROTECTION	1.12				FUSE				
OUTPUT/PROTECTION					-				
MIN. STARTING TEMP				-	18 °C (0°F)			
MAX. CASE TEMP				7	0 ⁰ C(158 ⁰ F	-)			
TYPE "HL" APPROVAL		APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTED), CLASS " P	", 1 OUTDC	OR		



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ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V ± 10%,	50/60Hz								
LAMP WATTS/TYPE	F14T8	F18T8	F30T8	-	-	-	-	-	-
LAMPS OPERATED		3							
WIRING DIAGRAM #		25				P			
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			1	FCC PART	18-A (NON-0	CONSUMER	<)		
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 °I	=)			
TYPE "HL" APPROVAL			AP	PROVED FC	R HAZARD	OUS LOCAT	ΓΙΟΝ		
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTE	D, CLASS " F	", 1 OUTD	OOR		

INPUT VOLT: 277V ± 10%,	50/60Hz								
LAMP WATTS/TYPE	F60T8HO	F60T8HO	F72T8HO	F60T8HO	F72T8HO	-	-	-	-
LAMPS OPERATED	4	:	3	2	2				
WIRING DIAGRAM #	27	2	25	2	2				
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 1	8-A (NON-C	ONSUMER)		
SOUND RATING	11.				" A "				
BALLAST TYPE	1/1/1			IN	STANT STAF	RT			
VOLTAGE TRANSIENTS				ANS	GI C82.11 - 1	993			
INPUT/PROTECTION					FUSE				
OUTPUT/PROTECTION					-				
MIN. STARTING TEMP				-	18 °C (0°F)			
MAX. CASE TEMP				70	0 °C(158 °F)			
TYPE "HL" APPROVAL			AP	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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ELECTRICAL DATA (FOR 277V APPLICATION)

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				FCC PART 18-	A (NON-CONS	SUMER)		
SOUND RATING					" A "			
BALLAST TYPE				INST	ANT START			
VOLTAGE TRANSIENTS				ANSI (082.11 - 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			APF	PROVED FOR	HAZARDOUS	LOCATION		
ENERGY STAR 4.0					-			
APPROVALS/CLASS			UL /	CUL LISTED, C	LASS " P ", 1	OUTDOOR		





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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	SUMER)		
SOUND RATING		/			" A "			
BALLAST TYPE				INST	ANT START			
VOLTAGE TRANSIENTS				ANSI C	82.11 - 1993	3		
INPUT/PROTECTION					FUSE			
OUTPUT/PROTECTION					-			
MIN. STARTING TEMP				- 18	⁰ C(0 ⁰ F)			
MAX. CASE TEMP				70 °C	C(158°F)			
TYPE "HL" APPROVAL			APPRO	OVED FOR H	AZARDOUS	S 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-C	CONSUMER)		
SOUND RATING					" A "				
BALLAST TYPE				IN	STANT STA	RT			
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	993			
INPUT/PROTECTION	11/2				FUSE				
OUTPUT/PROTECTION					-				
MIN. STARTING TEMP				-	18 °C (0°F)			
MAX. CASE TEMP				70	0 ⁰ C(158 ⁰ F	-)			
TYPE "HL" APPROVAL		APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTED), CLASS " P	", 1 OUTDC	OR		



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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 #			17		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	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 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	F48T12	F60T12	F64T12	F72T12	F14T12	F20T12	F24T12	F25T12	F30T12	
LAMPS OPERATED		4	4				3			
WIRING DIAGRAM #		2	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	111.				" 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 °C (158 ° F)								
TYPE "HL" APPROVAL		APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0					-					
APPROVALS/CLASS			UL	/cUL LISTED), CLASS " P	", 1 OUTDC	OR			



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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 #				2	5					
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		70 °C (158 ° F)								
TYPE "HL" APPROVAL			AP	PROVED FC	R HAZARDO	DUS LOCAT	ION			
ENERGY STAR 4.0					-					
APPROVALS/CLASS			UL	/cUL LISTEE), 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	11.				" A "				
BALLAST TYPE				IN	STANT STA	RT			
VOLTAGE TRANSIENTS				ANS	SI C82.11 - 1	993			
INPUT/PROTECTION					FUSE				
OUTPUT/PROTECTION					-				
MIN. STARTING TEMP		- 18 ⁰ C (0 ⁰ F)							
MAX. CASE TEMP		70 °C (158 ° F)							
TYPE "HL" APPROVAL			AP	PROVED FC	R HAZARDO	DUS LOCAT	ION		
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTED), CLASS " P	", 1 OUTDC	OR		



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.

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ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V ± 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 F	PART 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		APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0				-					
APPROVALS/CLASS			UL /cUL L	ISTED, CLASS '	' P ", 1 OUTDOO	R			

INPUT VOLT: 277V ± 10%,									
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	CONSUMER)		
SOUND RATING	11				" A "				
BALLAST TYPE				IN	STANT STA	RT			
VOLTAGE TRANSIENTS				ANS	GI C82.11 - 1	993			
INPUT/PROTECTION					FUSE				
OUTPUT/PROTECTION					-				
MIN. STARTING TEMP		- 18 °C (0 ° F)							
MAX. CASE TEMP		70 °C (158 °F)							
TYPE "HL" APPROVAL			APF	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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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	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		70 °C (158 ° F)								
TYPE "HL" APPROVAL		APPROVED FOR HAZARDOUS LOCATION								
ENERGY STAR 4.0		· · · ·								
APPROVALS/CLASS			UL	/cUL LISTED), CLASS " F	? ", 1 OUTDO	DOR			

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-CONSUME	R)				
SOUND RATING	11.			" A "					
BALLAST TYPE			INS	TANT 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 OUT[DOOR				



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ELECTRICAL DATA (FOR 277V APPLICATION)

INPUT VOLT: 277V ± 10%,	50/60Hz										
LAMP WATTS/TYPE	F48T12VHO	F60T12VHO	F72T12VHO	F96T12VHO	· · · ·						
LAMPS OPERATED											
WIRING DIAGRAM #		/ 1	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 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		APPROVED FOR HAZARDOUS LOCATION									
ENERGY STAR 4.0				-							
APPROVALS/CLASS			UL /cUL LIS	STED, CLASS "	' P ", 1 OUTDOOR						

