

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%

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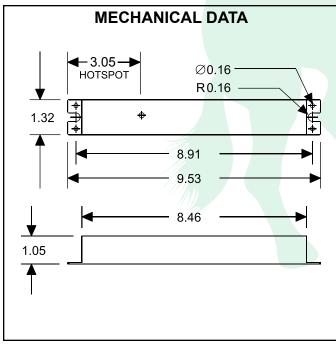
This Ballast Will Operate Following Lamps:

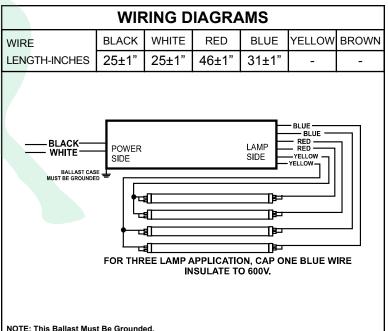
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F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FB28T8, FB31T8, FB32T8, F32T8, F40T8, F32T8

#### ELECTRICAL DATA

INPUT VOLT				120V ± 109	%, 50/60Hz					
LAMP WATTS/TYPE	F32T8/25	F32T8/28	F32T8/30	FB28T8	FB31T8	FB32T8	F32T8	F40T8		
LAMPS OPERATED		3 (THREE)								
INPUT WATTS	74	77	84	77	87	92	92	114		
LINE CURRENT	0.62	0.65	0.71	0.65	0.73	0.77	0.77	0.95		
POWER FACTOR	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98		
BALLAST FACTOR	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96		
BALLAST EFFICACY FACTOR	1.29	1.24	1.14	1.24	1.10	1.04	1.04	0.84		
THD	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%		
CURRENT CREST FACTOR		≤ 1.7								
EMI/RFI COMPLIANCE		FCC PART 18-A (NON-CONSUMER)								
SOUND RATING				"/	۹"					
BALLAST TYPE				INSTAN	T START					
VOLTAGE TRANSIENTS				ANSI C82	2.11-1993					
INPUT/PROTECTION				FU	SE					
OUTPUT/PROTECTION					_					
MIN. STATING TEMP.				-18°C	(0°F)					
MAX. CASE TEMP.				70°C (	158°F)					
TYPE "HL" APPROVAL			APPROV	ED FOR HAZ	ZARDOUS LO	OCATION				
ENERGY STAR 4.0					_					
APPROVALS/CLASS			UL/cUL	LISTED, CL	ASS P, 1 OU <sup>-</sup>	TDOOR				
REMOTE MOUNTING				18 FT	MAX.					





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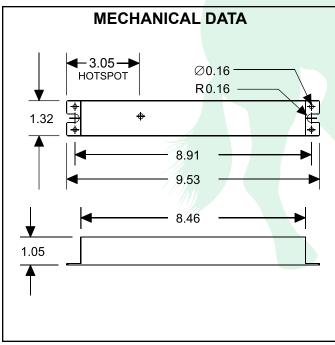
This Ballast Will Operate Following Lamps:

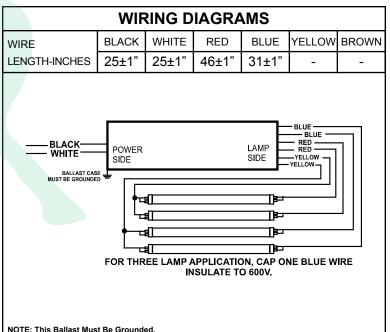
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F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FB28T8, FB31T8, FB32T8, F32T8, F40T8, F32T8

#### ELECTRICAL DATA

INPUT VOLT		120V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	F17T8	F25T8	F32T8/30	F32T8/28	F32T8/25	FBO28T8	FBO31T8	F32T8	FBO32T8		
LAMPS OPERATED		4 (FOUR)									
INPUT WATTS	59	87	88	94	101	94	107	112	112		
LINE CURRENT	0.49	0.72	0.74	0.79	0.85	0.79	0.9	0.93	0.93		
POWER FACTOR	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98		
BALLAST FACTOR	0.93	0.89	0.88	0.88	0.88	0.88	0.88	0.88	0.88		
BALLAST EFFICACY FACTOR	1.57	1.02	1.00	0.93	0.87	0.93	0.82	0.79	0.79		
THD	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%		
CURRENT CREST FACTOR	≤ 1.7										
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	993					
INPUT/PROTECTION					FUSE						
OUTPUT/PROTECTION					-						
MIN. STATING TEMP.					-18°C (0°F	)					
MAX. CASE TEMP.					70°C (158°F	)					
TYPE "HL" APPROVAL			APP	ROVED FO	R HAZARD	OUS LOCA	TION				
ENERGY STAR 4.0					-						
APPROVALS/CLASS			UL	/cUL LISTE	D, CLASS F	P, 1 OUTDO	OR				
REMOTE MOUNTING					18 FT MAX						





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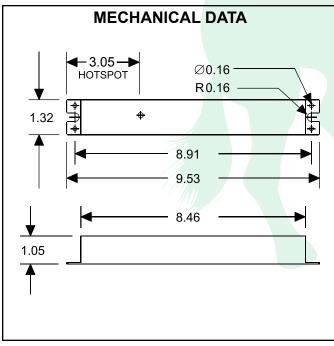
This Ballast Will Operate Following Lamps:

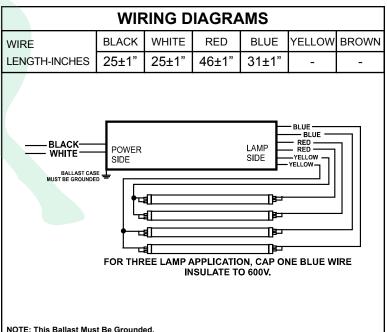
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F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FB28T8, FB31T8, FB32T8, F32T8, F40T8, F32T8

#### ELECTRICAL DATA

INPUT VOLT				230V ± 109	<u>%, 50/60Hz</u>							
LAMP WATTS/TYPE	F32T8/25	F32T8/28	F32T8/30	FB28T8	FB31T8	FB32T8	F32T8	F40T8				
LAMPS OPERATED		3 (THREE)										
INPUT WATTS	73	77	89	89	109							
LINE CURRENT	0.32	0.34	0.37	0.34	0.39	0.39	0.39	0.48				
POWER FACTOR	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98				
BALLAST FACTOR	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96				
BALLAST EFFICACY FACTOR	1.31	1.25	1.15	1.25	1.10	1.07	1.07	0.88				
THD	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%				
CURRENT CREST FACTOR		≤ 1.7										
EMI/RFI COMPLIANCE		FCC PART 18-A (NON-CONSUMER)										
SOUND RATING				"/	۹"							
BALLAST TYPE				INSTAN	T START							
VOLTAGE TRANSIENTS				ANSI C82	2.11-1993							
INPUT/PROTECTION				FU	SE							
OUTPUT/PROTECTION					_							
MIN. STATING TEMP.				-18°C	C (0°F)							
MAX. CASE TEMP.				70°C (	158°F)							
TYPE "HL" APPROVAL			APPROV	ED FOR HAZ	ZARDOUS LO	OCATION						
ENERGY STAR 4.0				-	_							
APPROVALS/CLASS			UL/cUL	LISTED, CL	ASS P, 1 OU <sup>-</sup>	TDOOR						
REMOTE MOUNTING				18 FT	MAX.							





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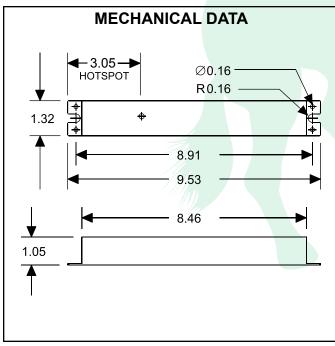
This Ballast Will Operate Following Lamps:

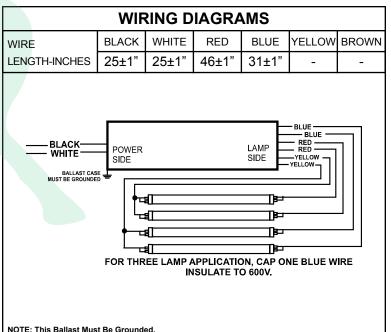
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F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FB28T8, FB31T8, FB32T8, F32T8, F40T8, F32T8

#### ELECTRICAL DATA

INPUT VOLT				230V	<u>/ ± 10%, 50/</u>	60Hz			
LAMP WATTS/TYPE	F17T8	F25T8	F32T8/30	F32T8/28	F32T8/25	FBO28T8	FBO31T8	F32T8	FBO32T8
LAMPS OPERATED		4 (FOUR)							
INPUT WATTS	58	85	88	94	100	92	106	108	108
LINE CURRENT	0.26	0.38	0.39	0.42	0.44	0.41	0.47	0.48	0.48
POWER FACTOR	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98
BALLAST FACTOR	0.93	0.89	0.88	0.88	0.88	0.88	0.88	0.88	0.88
BALLAST EFFICACY FACTOR	1.59	1.05	1.00	0.93	0.88	0.95	0.83	0.80	0.80
THD	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%
CURRENT CREST FACTOR	≤ 1.7								
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	993			
INPUT/PROTECTION					FUSE				
OUTPUT/PROTECTION					-				
MIN. STATING TEMP.					-18°C (0°F	)			
MAX. CASE TEMP.				7	70°C (158°F	)			
TYPE "HL" APPROVAL			APP	ROVED FO	R HAZARD	OUS LOCA	TION		
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTE	D, CLASS F	, 1 OUTDO	OR		
REMOTE MOUNTING					18 FT MAX				





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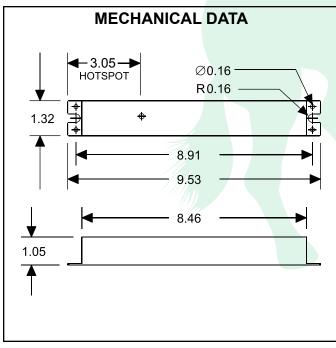
This Ballast Will Operate Following Lamps:

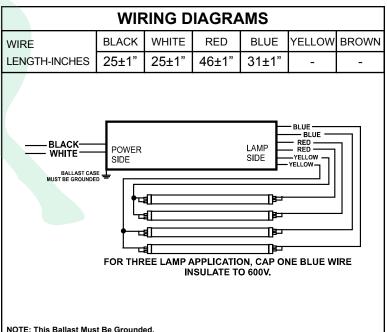
\_\_\_\_\_]B

F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FB28T8, FB31T8, FB32T8, F32T8, F40T8, F32T8

#### **ELECTRICAL DATA**

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INPUT VOLT				277V ± 109	%, 50/60Hz			0			
LAMP WATTS/TYPE	F32T8/25	F32T8/28	F32T8/30	FB28T8	FB31T8	FB32T8	F32T8	F40T8			
LAMPS OPERATED		3 (THREE)									
INPUT WATTS	73	77	84	77	87	89	89	109			
LINE CURRENT	0.27	0.29	0.31	0.29	0.32	0.34	0.34	0.41			
POWER FACTOR	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98			
BALLAST FACTOR	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96			
BALLAST EFFICACY FACTOR	1.31	1.25	1.15	1.25	1.10	1.07	1.07	0.88			
THD	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%			
CURRENT CREST FACTOR		≤ 1.7									
EMI/RFI COMPLIANCE		FCC PART 18-A (NON-CONSUMER)									
SOUND RATING				"/	۹"						
BALLAST TYPE				INSTAN	T START						
VOLTAGE TRANSIENTS				ANSI C82	2.11-1993						
INPUT/PROTECTION				FU	SE						
OUTPUT/PROTECTION					_						
MIN. STATING TEMP.				-18°C	C (0°F)						
MAX. CASE TEMP.				70°C (	158°F)						
TYPE "HL" APPROVAL			APPROV	ED FOR HAZ	ZARDOUS LO	OCATION					
ENERGY STAR 4.0				-	_						
APPROVALS/CLASS			UL/cUL	LISTED, CL	ASS P, 1 OU <sup>-</sup>	TDOOR					
REMOTE MOUNTING				18 FT	MAX.						





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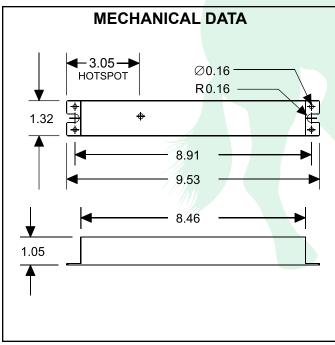
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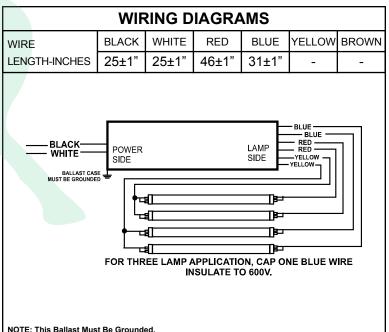
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F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FB28T8, FB31T8, FB32T8, F32T8, F40T8, F32T8

#### ELECTRICAL DATA

INPUT VOLT					′ ± 10%, 50/				
LAMP WATTS/TYPE	F17T8	F25T8	F32T8/30	F32T8/28	F32T8/25	FBO28T8	FBO31T8	F32T8	FBO32T8
LAMPS OPERATED		4 (FOUR)							
INPUT WATTS	58	85	88	94	100	92	106	108	108
LINE CURRENT	0.22	0.32	0.33	0.35	0.37	0.34	0.39	0.40	0.40
POWER FACTOR	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98
BALLAST FACTOR	0.93	0.89	0.88	0.88	0.88	0.88	0.88	0.88	0.88
BALLAST EFFICACY FACTOR	1.59	1.05	1.00	0.93	0.88	0.95	0.83	0.80	0.80
THD	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%
CURRENT CREST FACTOR	≤ 1.7								
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	993			
INPUT/PROTECTION					FUSE				
OUTPUT/PROTECTION					-				
MIN. STATING TEMP.					-18°C (0°F	)			
MAX. CASE TEMP.					70°C (158°F	)			
TYPE "HL" APPROVAL			APP	ROVED FO	R HAZARD	OUS LOCA	TION		
ENERGY STAR 4.0					-				
APPROVALS/CLASS			UL	/cUL LISTE	D, CLASS F	P, 1 OUTDO	OR		
REMOTE MOUNTING					18 FT MAX				





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