

# **SPECIFICATION SHEET: WH3-120-C**

This Is An Original Product From Fulham Co., Inc

**Description: WorkHorse Series Versatile, Solid State Electronic Ballast.** 

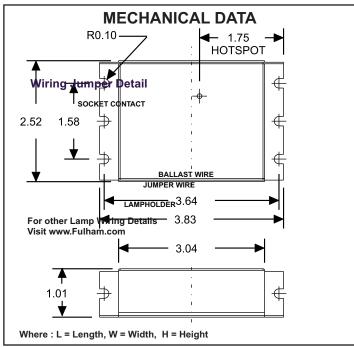
**High Power Factor, Light Weight.** 

This Ballast Will Operate Following Lamps.

**REFER TO LAMP WATTS/TYPE** 

### **ELECTRICAL DATA**

INPUT VOLT: 120V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	T5CR40W	CR32W	22+32 CR	F24T5	F54T5	* F15T8	* F15T8		
LAMPS OPERATED		1 2							
INPUT WATTS	36	28	36	25	56	28	40		
LINE CURRENT:	0.33	0.25	0.32	0.23	0.50	0.25	0.35		
POWER FACTOR	0.93	0.93	0.93	0.92	0.94	0.92	0.93		
BALLAST FACTOR	0.87	0.79	0.68	1.02	0.99	1.13	0.90		
EFFICACY FACTOR	2.38	2.83	1.91	4.06	1.77	4.06	2.27		
THD	38%	39%	37%	41%	34%	39%	36%		
EMI/RFI COMPLIANCE			FCC PART	18-A (Non-	-Consumer	)			
SOUND RATING				" A "					
BALLAST TYPE			IN:	STANT STA	AR T				
VOLTAGE TRANSIENTS		ANSI 62.41							
INPUT/PROTECTION		FUSE							
MIN. OPERATING TEMP		-30 °C (-20 °F)							
MAX. CASE TEMP		70 °C (158 °F)							
APPROVALS/CLASS		U	L LISTED, CLA	ASS " P ", 1	OR 2 OUTDO	OR			



WIRING DIAGRAMS							
WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN	
LENGTH - INCHES	12 <u>+</u> 1"	12 <u>+</u> 1"	12 <u>+</u> 1"	-	12 <u>+</u> 1"	-	

#### FOR 1X 22+32 CR

FOR WIRING DIAGRAM,
PLEASE REFER TO FULHAM'S CATALOG

NOTE : This Ballast Must Be Grounded

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2006-21SP-1 rev L



## This Is An Original Product From Fulham Co., Inc.

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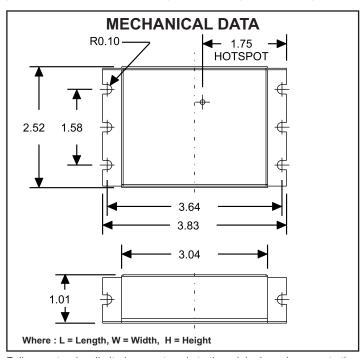
**High Power Factor, Light Weight.** 

This Ballast Will Operate Following Lamps.

**REFER TO LAMP WATTS/TYPE** 

### **ELECTRICAL DATA**

INPUT VOLT: 120V ± 10%, 50/60Hz									
FT24W	FT36W	FT40W	T5CR55W	* F32T8	* F60T8HO	*CFT18W	F15T8		
	,	1		1	1	2	1		
24	31	41	53	38	61	27	18		
0.22	0.28	0.37	0.47	0.34	0.54	0.25	0.16		
0.91	0.92	0.93	0.93	0.93	0.94	0.92	0.91		
1.00	0.81	0.89	1.33	1.40	1.14	0.72	1.18		
4.12	2.65	2.16	2.50	3.69	1.87	2.67	6.56		
41%	40%	37%	36%	36%	34%	40%	42%		
	FCC PART 18-A (Non-Consumer)								
	"A"								
	INSTANT START								
			ANSI	62.41					
	FUSE								
	-30 °C (-20 °F )								
		* UL /cUL L	ISTED, CLASS	S " P ", 1 OR 2	OUTDOOR				
	24 0.22 0.91 1.00 4.12	FT24W FT36W  24 31 0.22 0.28 0.91 0.92 1.00 0.81 4.12 2.65	FT24W FT36W FT40W  24 31 41  0.22 0.28 0.37  0.91 0.92 0.93  1.00 0.81 0.89  4.12 2.65 2.16  41% 40% 37%  FCC	FT24W FT36W FT40W T5CR55W  1  24 31 41 53  0.22 0.28 0.37 0.47  0.91 0.92 0.93 0.93  1.00 0.81 0.89 1.33  4.12 2.65 2.16 2.50  41% 40% 37% 36%  FCC PART 18-A  "A  INSTANT  ANSI  FU  -30 °C (  UL LISTED, CLASS "F	FT24W         FT36W         FT40W         T5CR55W         * F32T8           1         1         1         1           24         31         41         53         38           0.22         0.28         0.37         0.47         0.34           0.91         0.92         0.93         0.93         0.93           1.00         0.81         0.89         1.33         1.40           4.12         2.65         2.16         2.50         3.69           41%         40%         37%         36%         36%           FCC PART 18-A (Non-Consultant FUSE           "A"           INSTANT START           ANSI 62.41           FUSE           -30 °C (-20 °F)           70 °C (158 °F)           UL LISTED, CLASS " P", 1 OR 2 OR	FT24W         FT36W         FT40W         T5CR55W         * F32T8         * F60T8HO           1         1         1         1         1           24         31         41         53         38         61           0.22         0.28         0.37         0.47         0.34         0.54           0.91         0.92         0.93         0.93         0.93         0.94           1.00         0.81         0.89         1.33         1.40         1.14           4.12         2.65         2.16         2.50         3.69         1.87           41%         40%         37%         36%         36%         34%           FCC PART 18-A (Non-Consumer)           " A"           INSTANT START           ANSI 62.41           FUSE           -30 °C (-20 °F)	FT24W         FT36W         FT40W         T5CR55W         * F32T8         * F60T8HO         *CFT18W           24         31         41         53         38         61         27           0.22         0.28         0.37         0.47         0.34         0.54         0.25           0.91         0.92         0.93         0.93         0.93         0.94         0.92           1.00         0.81         0.89         1.33         1.40         1.14         0.72           4.12         2.65         2.16         2.50         3.69         1.87         2.67           41%         40%         37%         36%         36%         34%         40%           FCC PART 18-A (Non-Consumer)           "A"           INSTANT START           ANSI 62.41           FUSE           -30 °C (-20 °F)           70 °C (158 °F)           UL LISTED, CLASS " P", 1 OR 2 OUTDOOR		



WIRING DIAGRAMS							
WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN	
LENGTH - INCHES	12 <u>+</u> 1"	12 <u>+</u> 1"	12 <u>+</u> 1"	-	12 <u>+</u> 1"	-	

FOR WIRING DIAGRAM, PLEASE REFER TO FULHAM'S CATALOG

NOTE: This Ballast Must Be Grounded

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2006-21SP-2 rev L



## This Is An Original Product From Fulham Co., Inc.

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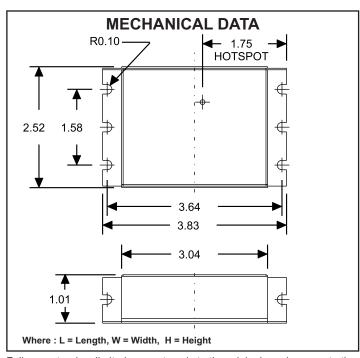
**High Power Factor, Light Weight.** 

This Ballast Will Operate Following Lamps.

**REFER TO LAMP WATTS/TYPE** 

### **ELECTRICAL DATA**

INPUT VOLT: 120V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	* F17T8	* F17T8	* F32T8	* F32T8	* CR40WT9	F24T5HO	F42T6	* F72T8HO	
LAMPS OPERATED	2	1	1	2	1	2	2	1	
INPUT WATTS	33	21	38	61	36	40	61	73	
LINE CURRENT:	0.30	0.19	0.34	0.54	0.32	0.36	0.54	0.65	
POWER FACTOR	0.93	0.92	0.93	0.94	0.93	0.94	0.94	0.94	
BALLAST FACTOR	1.13	1.48	1.40	1.06	0.81	0.73	0.97	1.05	
EFFICACY FACTOR	3.43	7.05	3.69	1.74	2.25	1.82	1.59	1.43	
THD	37%	40%	36%	33%	37%	36%	33%	32%	
EMI/RFI COMPLIANCE		FCC PART 18-A (Non-Consumer)							
SOUND RATING				ı,	Α"				
BALLAST TYPE				INSTAN	IT START				
VOLTAGE TRANSIENTS				ANSI	162.41				
INPUT/PROTECTION		FUSE							
MIN. OPERATING TEMP		-30 °C (-20 °F )							
MAX. CASE TEMP		70 °C ( 158 °F )							
APPROVALS/CLASS		UL LISTED, CLASS " P ", 1 OR 2 OUTDOOR							
APPROVALS/CLASS			* UL /cUL L	ISTED, CLAS	S " P ", 1 OR 2	OUTDOOR			



WIRING DIAGRAMS							
WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN	
LENGTH - INCHES	12 <u>+</u> 1"	12 <u>+</u> 1"	12 <u>+</u> 1"	-	12 <u>+</u> 1"	-	

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2006-21SP-3 rev L



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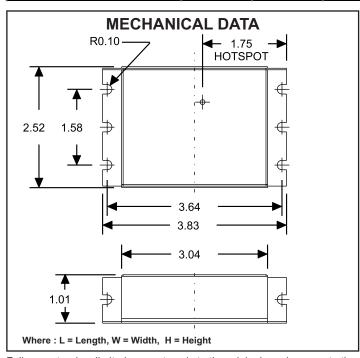
**High Power Factor, Light Weight.** 

This Ballast Will Operate Following Lamps.

**REFER TO LAMP WATTS/TYPE** 

### **ELECTRICAL DATA**

INPUT VOLT: 120V ± 10%, 5	0/60Hz								
LAMP WATTS/TYPE	F39T5HO	* F20T12	F24T5HO	CFTR32W	2D38	F25T8	CFTR26W	CFQ26W	
LAMPS OPERATED	1	2	2	1	1	1	1	1	
INPUT WATTS	38	30	40	34	29	30	27	29	
LINE CURRENT:	0.34	0.27	0.35	0.30	0.26	0.27	0.24	0.27	
POWER FACTOR	0.93	0.93	0.93	0.93	0.93	0.93	0.92	0.92	
BALLAST FACTOR	0.88	0.94	0.79	0.96	0.86	1.44	1.02	1.01	
EFFICACY FACTOR	2.31	3.13	1.98	2.85	2.96	4.88	3.79	3.47	
THD	37%	38%	37%	38%	41%	39%	41%	42%	
EMI/RFI COMPLIANCE		FCC PART 18-A (Non-Consumer)							
SOUND RATING				" <i>F</i>	۹ "				
BALLAST TYPE				INSTAN	TSTART				
VOLTAGE TRANSIENTS				ANSI	62.41				
INPUT/PROTECTION		FUSE							
MIN. OPERATING TEMP		-30 °C (-20 °F)							
MAX. CASE TEMP		70 °C ( 158 °F )							
APPROVALS/CLASS			UL LISTI	ED, CLASS " F	P", 1 OR 2 Ol	JTDOOR			
APPROVALS/CLASS			* UL /cUL LI	ISTED, CLASS	S " P ", 1 OR 2	OUTDOOR			



WIRING DIAGRAMS							
WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN	
LENGTH - INCHES	12 <u>+</u> 1"	12 <u>+</u> 1"	12 <u>+</u> 1"	-	12 <u>+</u> 1"	-	

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2006-21SP-4 rev L