

## SPECIFICATION SHEET : RHA-UNV-242-BLS

This Is An Original Product From Fulham Co., Inc

**Description :** RACEHORSE Series, Universal Operating Voltage, Program Preheat Start Ballast, End Of Life Protection, Auto Restart, Cold Starting Feature.

**This Ballast Will Operate Following Lamps.**



TWIN(FT), 4 PIN  
24-27/36-39/40W/TUV36W



QUAD (CFQ), 4 PIN  
26W



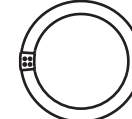
TRIPLE(CFTR)  
26W/32W/42W



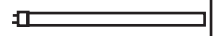
2D28/38W



CFM57/70W



T5CR22/T5CR40W

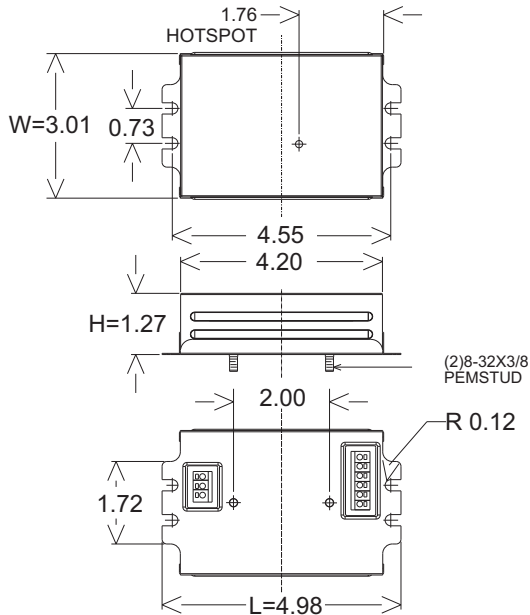


GPH793T5L

### ELECTRICAL DATA ( With 120 Volt Application )

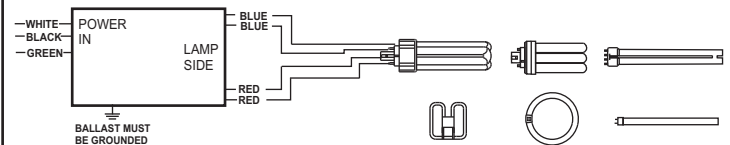
INPUT VOLT: 120V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	CFTR42W	FT24/27W	FT36/39W	FT40W	2D28W	2D38W	T5CR40W	TUV36W	GPH793T5L
LAMPS OPERATED	1								
INPUT WATTS	46	25	32	44	31	34	41	33	29
LINE CURRENT:	0.39	0.21	0.27	0.36	0.26	0.28	0.34	0.28	0.24
POWER FACTOR	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	0.95	1.02	0.85	0.95	1.22	0.83	0.92	0.69	0.72
EFFICACY FACTOR	2.04	4.03	2.62	2.18	3.88	2.48	2.23	2.09	2.48
THD	8.7%	12.3%	10.4%	9.3%	10.0%	10.0%	9.5%	10.0%	10.9%
CURRENT CREST FACTOR	< 1.7								
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)								
SOUND RATING	" A "								
BALLAST TYPE	PROGRAMMED START								
VOLTAGE TRANSIENTS	MOV (ANSI C82.11)								
INPUT/PROTECTION	FUSE								
OUTPUT/PROTECTION	OPEN LAMP, SHORTED LAMP, END-OF-LIFE								
MIN. OPERATING TEMP	-30°C (-22°F)								
MAX. CASE TEMP	90°C ( 194°F ) SEE FOOT NOTE WARRANTY								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								
REMOTE MOUNTING	18 FT MAX.								

#### MECHANICAL DATA

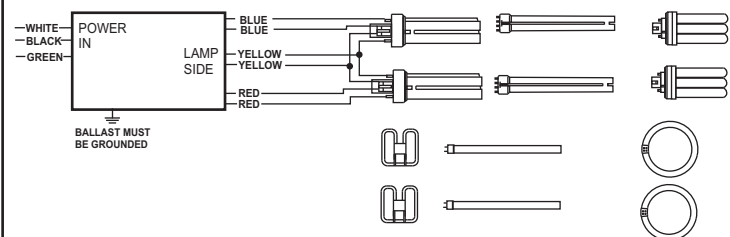


#### WIRING DIAGRAMS

**1 X CFM57/70W, FT24-27/36-39/40W, TUV36W, CFTR42W, 2D28/38W, T5CR40W, GPH793T5L**



**2 X FT24-27/36-39/40W, TUV36W, CFQ26W, CFTR26/32/42W, 2D28/38W, T5CR22/40W, GPH793T5L**



Use Wire Rated 300V, 90°C min. Use 18 AWG Solid Copper Wire Only Stripped to 3/8"  
**NOTE : This Ballast Must Be Grounded**

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TWIN(FT), 4 PIN  
24-27/36-39/40W/TUV36W



QUAD (CFQ), 4 PIN  
26W



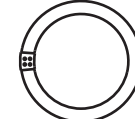
TRIPLE(CFTR)  
26W/32W/42W



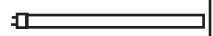
2D28/38W



CFM57/70W



T5CR22/T5CR40W

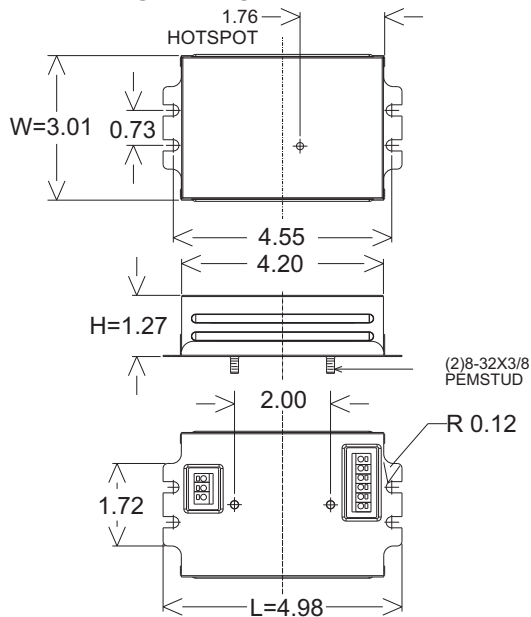


GPH793T5L

### ELECTRICAL DATA ( With 120 Volt Application )

INPUT VOLT: 120V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	CFM57W	CFM70W	CFQ26W	CFTR26W	CFTR32W	CFTR42W	FT24/27W	FT36/39W	FT40W
LAMPS OPERATED	1			2					
INPUT WATTS	55	69	53	56	59	89	48	62	87
LINE CURRENT:	0.46	0.57	0.44	0.46	0.49	0.74	0.40	0.52	0.72
POWER FACTOR	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	0.94	0.94	0.97	0.97	0.91	0.90	0.98	0.81	0.89
EFFICACY FACTOR	1.71	1.36	1.82	1.74	1.54	1.01	2.03	1.30	1.02
THD	8.4%	7.5%	7.9%	7.6%	7.6%	6.6%	8.2%	7.1%	6.4%
CURRENT CREST FACTOR	< 1.7								
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)								
SOUND RATING	" A "								
BALLAST TYPE	PROGRAMMED START								
VOLTAGE TRANSIENTS	MOV (ANSI C82.11)								
INPUT/PROTECTION	FUSE								
OUTPUT/PROTECTION	OPEN LAMP, SHORTED LAMP, END-OF-LIFE								
MIN. OPERATING TEMP	-30°C (-22°F)								
MAX. CASE TEMP	90°C ( 194°F ) SEE FOOT NOTE WARRANTY								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								
REMOTE MOUNTING	18 FT MAX.								

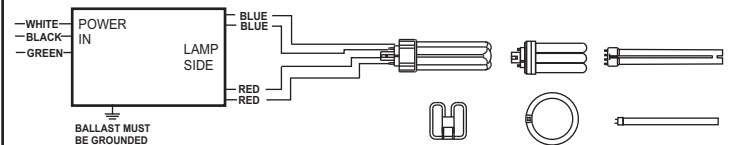
### MECHANICAL DATA



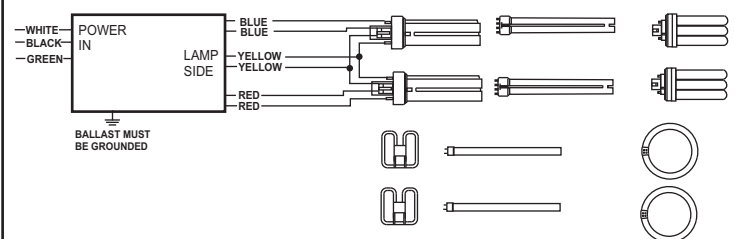
Where : L = Length, W = Width, H = Height

### WIRING DIAGRAMS

1 X CFM57/70W, FT24-27/36-39/40W, TUV36W, CFTR42W, 2D28/38W, T5CR40W, GPH793T5L



2 X FT24-27/36-39/40W, TUV36W, CFQ26W, CFTR26/32/42W, 2D28/38W, T5CR22/40W, GPH793T5L



Use Wire Rated 300V, 90°C min. Use 18 AWG Solid Copper Wire Only Stripped to 3/8"

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TWIN(FT), 4 PIN  
24-27/36-39/40W/TUV36W



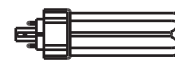
QUAD (CFQ), 4 PIN  
26W



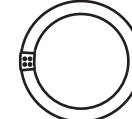
TRIPLE(CFTR)  
26W/32W/42W



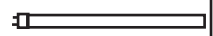
2D28/38W



CFM57/70W



T5CR22/T5CR40W

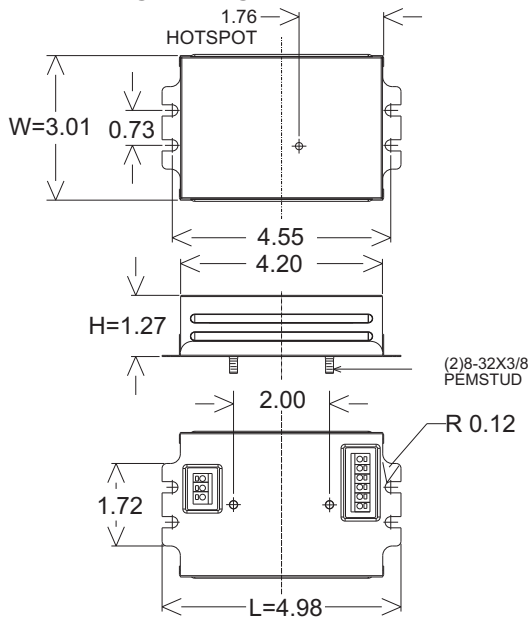


GPH793T5L

### ELECTRICAL DATA ( With 120 Volt Application )

INPUT VOLT: 120V ± 10%, 50/60Hz							
LAMP WATTS/TYPE	2D28W	2D38W	T5CR22W	T5CR40W	TUV36W	GPH793T5L	
LAMPS OPERATED	2						
INPUT WATTS	61	63	50	79	64	55	
LINE CURRENT:	0.51	0.53	0.41	0.66	0.53	0.45	
POWER FACTOR	0.99	0.99	0.99	0.99	0.99	0.99	
BALLAST FACTOR	1.16	0.82	0.98	0.90	0.66	0.69	
EFFICACY FACTOR	1.91	1.30	1.97	1.14	1.03	1.26	
THD	7.4%	7.0%	8.7%	6.9%	7.2%	7.8%	
CURRENT CREST FACTOR	< 1.7						
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)						
SOUND RATING	" A "						
BALLAST TYPE	PROGRAMMED START						
VOLTAGE TRANSIENTS	MOV (ANSI C82.11)						
INPUT/PROTECTION	FUSE						
OUTPUT/PROTECTION	OPEN LAMP, SHORTED LAMP, END-OF-LIFE						
MIN. OPERATING TEMP	-30°C (-22°F)						
MAX. CASE TEMP	90°C ( 194°F ) SEE FOOT NOTE WARRANTY						
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR						
REMOTE MOUNTING	18 FT MAX.						

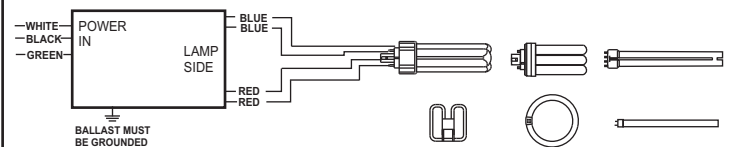
### MECHANICAL DATA



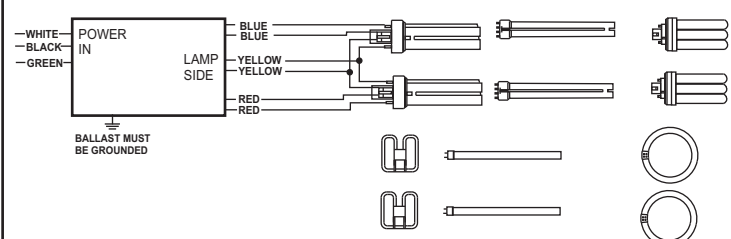
Where : L = Length, W = Width, H = Height

### WIRING DIAGRAMS

1 X CFM57/70W, FT24-27/36-39/40W, TUV36W, CFTR42W, 2D28/38W, T5CR40W, GPH793T5L



2 X FT24-27/36-39/40W, TUV36W, CFQ26W, CFTR26/32/42W, 2D28/38W, T5CR22/40W, GPH793T5L



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TWIN(FT), 4 PIN  
24-27/36-39/40W/TUV36W



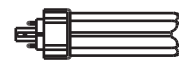
QUAD (CFQ), 4 PIN  
26W



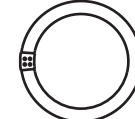
TRIPLE(CFTR)  
26W/32W/42W



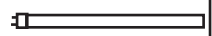
2D28/38W



CFM57/70W



T5CR22/T5CR40W

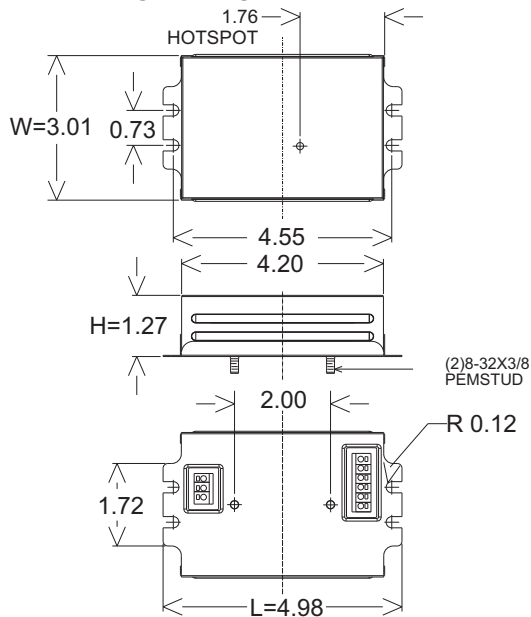


GPH793T5L

### ELECTRICAL DATA ( With 277 Volt Application )

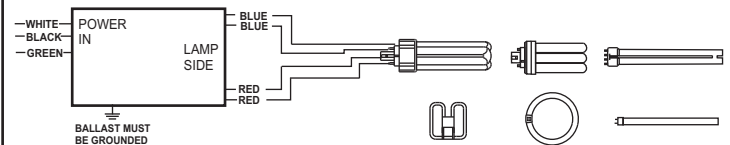
INPUT VOLT: 277V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	CFTR42W	FT24/27W	FT36/39W	FT40W	2D28W	2D38W	T5CR40W	TUV36W	GPH793T5L
LAMPS OPERATED	1								
INPUT WATTS	46	25	32	43	32	34	41	33	29
LINE CURRENT:	0.18	0.11	0.13	0.17	0.13	0.14	0.16	0.13	0.12
POWER FACTOR	0.94	0.83	0.89	0.93	0.89	0.90	0.93	0.90	0.87
BALLAST FACTOR	0.95	1.02	0.85	0.95	1.22	0.83	0.92	0.69	0.72
EFFICACY FACTOR	2.08	4.04	2.62	2.21	3.84	2.46	2.27	2.08	2.49
THD	16.8%	21.7%	16.7%	16.9%	18.6%	17.1%	15.4%	17.3%	18.5%
CURRENT CREST FACTOR	< 1.7								
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)								
SOUND RATING	" A "								
BALLAST TYPE	PROGRAMMED START								
VOLTAGE TRANSIENTS	MOV (ANSI C82.11)								
INPUT/PROTECTION	FUSE								
OUTPUT/PROTECTION	OPEN LAMP, SHORTED LAMP, END-OF-LIFE								
MIN. OPERATING TEMP	-30°C (-22°F)								
MAX. CASE TEMP	90°C ( 194°F ) SEE FOOT NOTE WARRANTY								
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR								
REMOTE MOUNTING	18 FT MAX.								

### MECHANICAL DATA

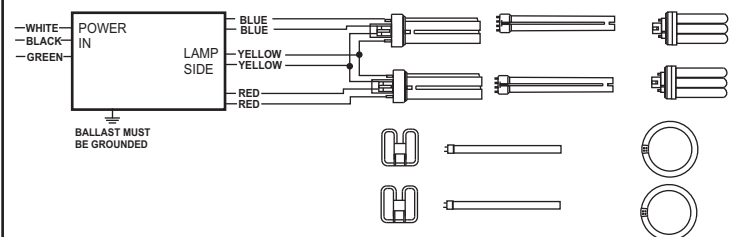


### WIRING DIAGRAMS

1 X CFM57/70W, FT24-27/36-39/40W, TUV36W, CFTR42W, 2D28/38W, T5CR40W, GPH793T5L



2 X FT24-27/36-39/40W, TUV36W, CFQ26W, CFTR26/32/42W, 2D28/38W, T5CR22/40W, GPH793T5L



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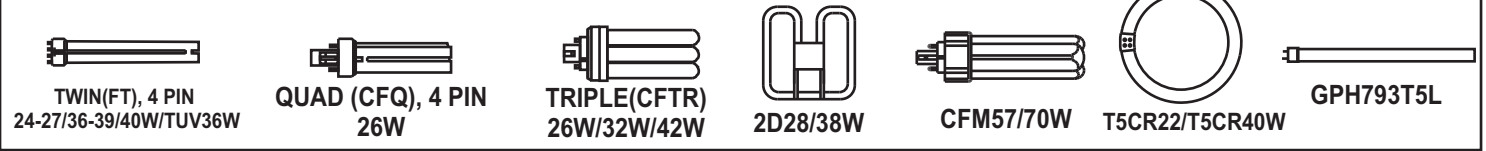
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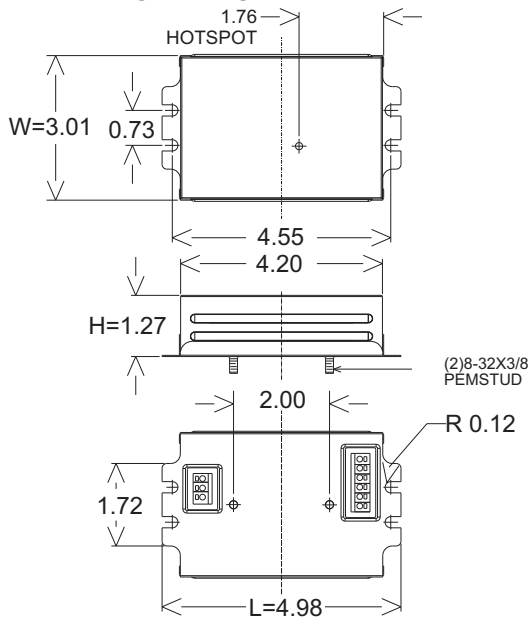
**This Ballast Will Operate Following Lamps.**



### ELECTRICAL DATA ( With 277 Volt Application )

INPUT VOLT: 277V ± 10%, 50/60Hz									
LAMP WATTS/TYPE	CFM57W	CFM70W	CFQ26W	CFTR26W	CFTR32W	CFTR42W	FT24/27W	FT36/39W	FT40W
LAMPS OPERATED	1			2					
INPUT WATTS	56	67	53	55	58	86	48	61	85
LINE CURRENT:	0.21	0.25	0.20	0.21	0.22	0.32	0.18	0.23	0.31
POWER FACTOR	0.95	0.97	0.95	0.95	0.96	0.98	0.94	0.96	0.98
BALLAST FACTOR	0.94	0.94	0.97	0.97	0.91	0.90	0.98	0.81	0.89
EFFICACY FACTOR	1.69	1.40	1.83	1.76	1.58	1.04	2.04	1.32	1.04
THD	14.7%	11.4%	16.0%	14.6%	14.6%	9.6%	16.6%	12.2%	9.9%
CURRENT CREST FACTOR	< 1.7								
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)								
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BALLAST TYPE	PROGRAMMED START								
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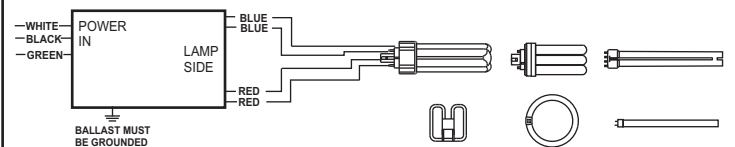
### MECHANICAL DATA



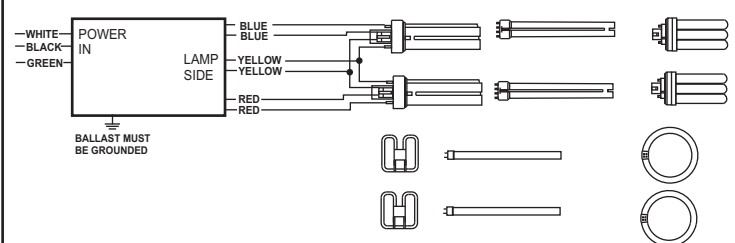
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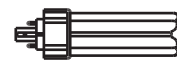
QUAD (CFQ), 4 PIN  
26W



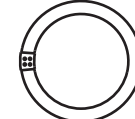
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26W/32W/42W



2D28/38W



CFM57/70W



T5CR22/T5CR40W

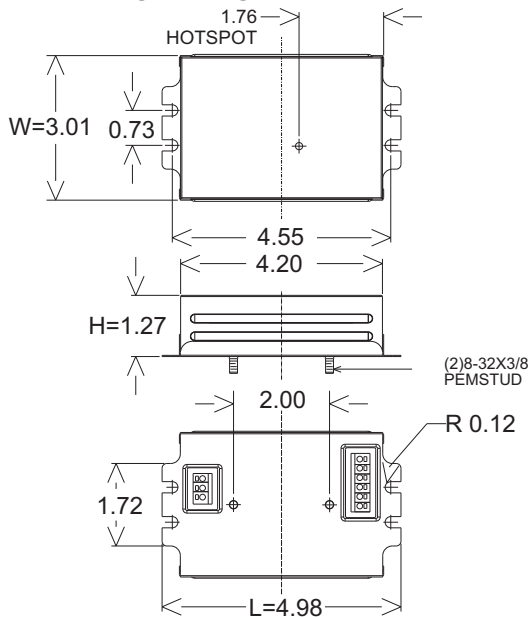


GPH793T5L

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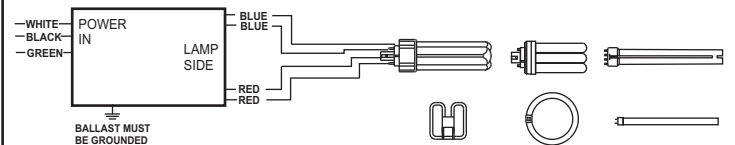
INPUT VOLT: 277V ± 10%, 50/60Hz							
LAMP WATTS/TYPE	2D28W	2D38W	T5CR22W	T5CR40W	TUV36W	GPH793T5L	
LAMPS OPERATED	2						
INPUT WATTS	59	62	49	77	63	54	
LINE CURRENT:	0.22	0.23	0.19	0.29	0.24	0.20	
POWER FACTOR	0.96	0.97	0.94	0.98	0.97	0.95	
BALLAST FACTOR	1.16	0.82	0.98	0.90	0.66	0.69	
EFFICACY FACTOR	14.9%	12.5%	16.3%	10.4%	12.3%	15.3%	
THD	10.0%						
CURRENT CREST FACTOR	< 1.7						
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)						
SOUND RATING	" A "						
BALLAST TYPE	PROGRAMMED START						
VOLTAGE TRANSIENTS	MOV (ANSI C82.11)						
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REMOTE MOUNTING	18 FT MAX.						

### MECHANICAL DATA

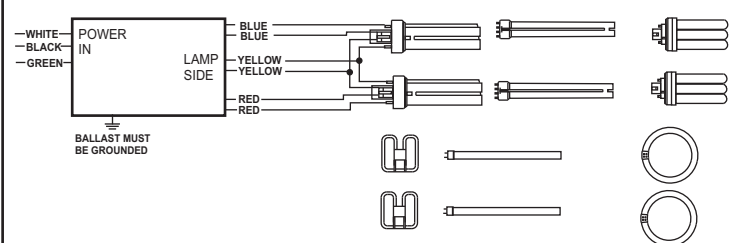


### WIRING DIAGRAMS

1 X CFM57/70W, FT24-27/36-39/40W, TUV36W, CFTR42W, 2D28/38W, T5CR40W, GPH793T5L



2 X FT24-27/36-39/40W, TUV36W, CFQ26W, CFTR26/32/42W, 2D28/38W, T5CR22/40W, GPH793T5L



Use Wire Rated 300V, 90°C min. Use 18 AWG Solid Copper Wire Only Stripped to 3/8"

NOTE : This Ballast Must Be Grounded

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 5 years @ 75°C or 3 years @ 90°C from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham product catalog ([www.fulham.com](http://www.fulham.com)) Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described. © Fulham Company Limited, All Rights Reserved.