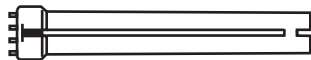


SPECIFICATION SHEET : RH1-UNV-213-C

This Is An Original Product From Fulham Co., Inc

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

This Ballast Will Operate Following Lamps.



TWIN(CFT/E), 4 PIN
7W, 9W



QUAD (CFQ/E), 4 PIN
13W



TRIPLE(CFTR/E)
13W



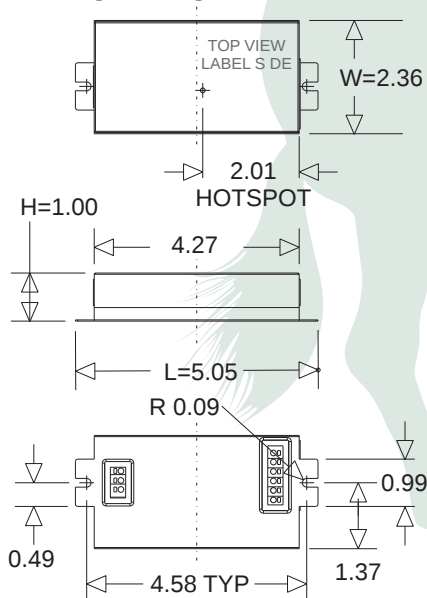
2D10/16W

ELECTRICAL DATA (With 120 Volt Application)

INPUT VOLT: 120V/277 $\pm$ 10%, 50/60Hz

LAMP WATTS/TYPE	7CFT/E	9CFT/E	13CFQ/E	13CFTR/E	2D10W	2D16W	7CFT/E	9CFT/E	13CFQ/E	13CFTR/E	2D10W	-	-
LAMPS OPERATED	1						2						
INPUT WATTS	9.2	10.97	17.34	16.08	13.01	17.72	16.32	19.48	32.55	29.65	24.17		
LINE CURRENT:	0.077	0.092	0.145	0.135	0.109	0.148	0.136	0.162	0.272	0.248	0.202		
POWER FACTOR	0.986	0.990	0.996	0.995	0.993	0.996	0.995	0.997	0.998	0.998	0.997		
BALLAST FACTOR	0.877	0.918	1.044	0.972	0.922	0.900	0.912	0.916	1.033	0.920	0.942		
EFFICACY FACTOR	9.527	8.375	6.000	6.045	7.084	5.081	5.600	4.703	3.173	3.104	3.896		
THD	< 10 %												
CURRENT CREST FACTOR	< 1.7												
EMI/RFI COMPLIANCE	FCC PART 18-B (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												
ENERGY STAR 4.0	-----												
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR												
REMOTE MOUNTING	18 FT MAX.												

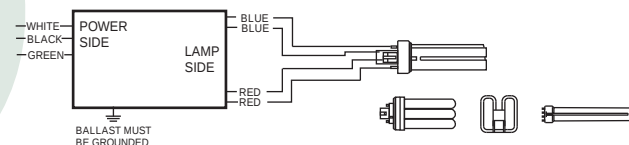
MECHANICAL DATA



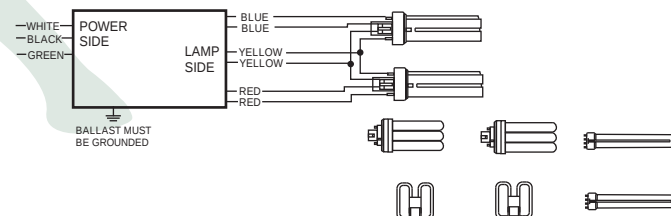
Where : L = Length, W = Width, H = Height

WIRING DIAGRAMS

1 X CFTE7/9W, CFQE13W, CFTRE13W, 2D10/16W



2 X CFTE7/9W, CFQE13W, CFTRE13W, 2D10W



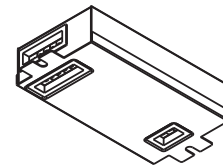
NOTE : This Ballast Must Be Grounded

Fulham Co., Inc extends limited warranty only to the original purchaser or to the first user for the period of **3 years @ 90° C & 5 years @ 75° C** 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.

Address : 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-599-5000, Fax.: 1-323-754-9060. Website: www.fulham.com

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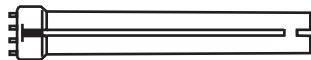


SPECIFICATION SHEET : RH1-UNV-213-C

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This Ballast Will Operate Following Lamps.



TWIN(CFT/E), 4 PIN
7W, 9W



QUAD (CFQ/E), 4 PIN
13W



TRIPLE(CFTR/E)
13W

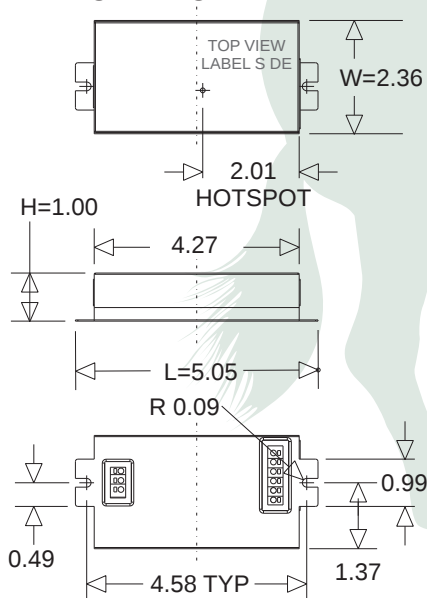


2D10/16W

ELECTRICAL DATA (With 230 Volt Application)

INPUT VOLT: 120V/230V/277V ± 10%, 50/60Hz											
LAMP WATTS/TYPE	7CFT/E	9CFT/E	13CFQ/E	13CFTR/E	2D10W	2D16W	7CFT/E	9CFT/E	13CFQ/E	13CFTR/E	2D10W
LAMPS OPERATED	1						2				
INPUT WATTS	10.12W	12.32W	17.95W	16.33W	13.95W	18.29W	17.37W	21.42W	32.19W	29.45W	24.88W
LINE CURRENT:	0.050A	0.058A	0.085A	0.075A	0.064A	0.082A	0.079A	0.076A	0.142A	0.130A	0.110A
POWER FACTOR	0.886	0.926	0.950	0.952	0.948	0.967	0.951	0.970	0.985	0.985	0.980
BALLAST FACTOR	0.996	1.080	1.114	0.996	1.020	0.953	0.987	1.067	1.038	0.973	0.993
EFFICACY FACTOR	9.843	8.762	6.208	6.102	7.315	5.209	5.684	4.983	3.223	3.302	3.993
THD	< 20 %							< 10 %	< 10 %		< 10 %
CURRENT CREST FACTOR	< 1.7										
EMI/RFI COMPLIANCE	FCC PART 18-B (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										
ENERGY STAR 4.0	-----										
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P " , 1 OUTDOOR										
REMOTE MOUNTING	18 FT MAX.										

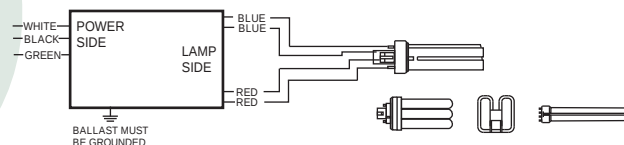
MECHANICAL DATA



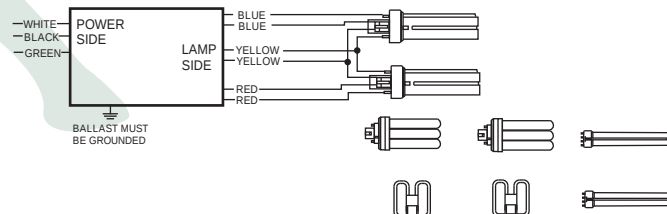
Where : L = Length, W = Width, H = Height

WIRING DIAGRAMS

1 X CFTE7/9W, CFQE13W, CFTRE13W, 2D10/16W



2 X CFTE7/9W, CFQE13W, CFTRE13W, 2D10W



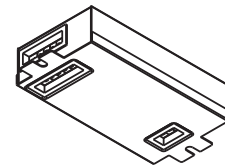
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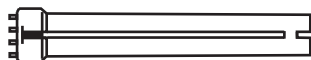


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TWIN(CFT/E), 4 PIN
7W, 9W



QUAD (CFQ/E), 4 PIN
13W



TRIPLE(CFTR/E)
13W

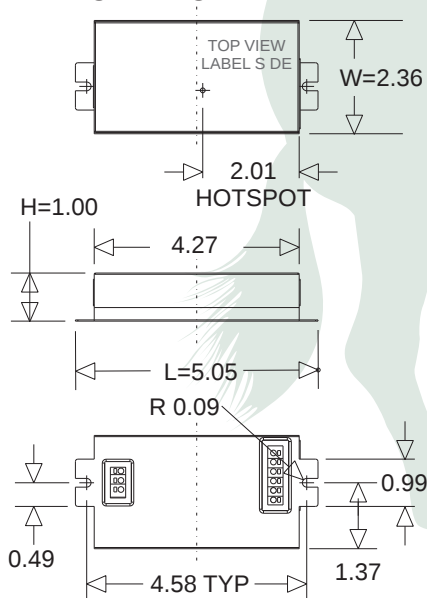


2D10/16W

ELECTRICAL DATA (With 277 Volt Application)

INPUT VOLT: 120V/277 ± 10% ₀ 50/60Hz													
LAMP WATTS/TYPE	7CFT/E	9CFT/E	13CFQ/E	13CFTRE	2D10W	2D16W	7CFT/E	9CFT/E	13CFQ/E	13CFTRE	2D10W	-	-
LAMPS OPERATED	1						2						
INPUT WATTS	9.91	11.89	17.65	16.21	13.43	17.84	16.58	20.56	32.09	29.17	24.04		
LINE CURRENT:	0.042	0.048	0.068	0.063	0.005	0.069	0.064	0.078	0.119	0.108	0.090		
POWER FACTOR	0.856	0.888	0.939	0.929	0.902	0.937	0.933	0.951	0.976	0.972	0.961		
BALLAST FACTOR	0.934	1.001	1.047	0.957	0.931	0.900	0.908	0.980	1.035	0.925	0.965		
EFFICACY FACTOR	9.421	8.423	5.934	5.901	6.948	5.998	5.477	4.766	3.225	3.171	4.012		
THD	< 20 %							< 15 %		< 10 %		< 15 %	
CURRENT CREST FACTOR	< 1.7												
EMI/RFI COMPLIANCE	FCC PART 18-B (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												
ENERGY STAR 4.0	-----												
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR												
REMOTE MOUNTING	18 FT MAX.												

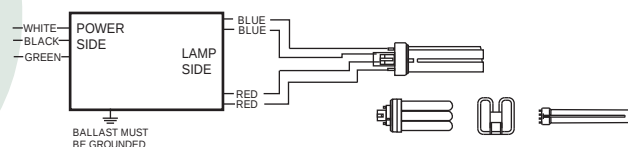
MECHANICAL DATA



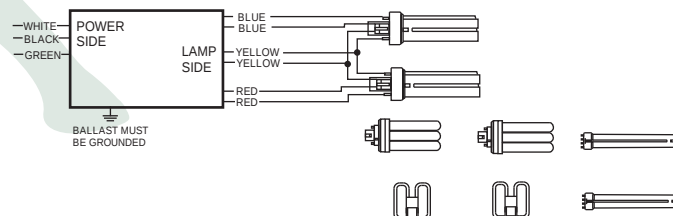
Where : L = Length, W = Width, H = Height

WIRING DIAGRAMS

1 X CFTE7/9W, CFQE13W, CFTRE13W, 2D10/16W



2 X CFTE7/9W, CFQE13W, CFTRE13W, 2D10W



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