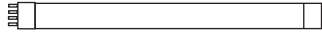


SPECIFICATION SHEET : WH15-UNV-L

This Is An Original Product From Fulham Co., Inc

Description : WORKHORSE Electronic Ballast, Drop In Replacement For Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

This Ballast Will Operate Following Lamps, 1 Lamp Application.



**GPH560T5LHO, GHP436T5L/HO,
GPH357T5L/HO, GPH893T5/HO,**

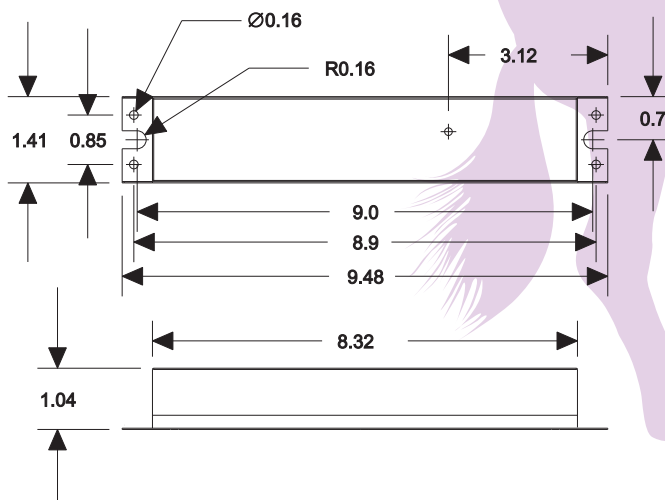


TUV60W

ELECTRICAL DATA (With 120 Volt Application)

INPUT VOLT: 120V ± 10%, 50/60Hz						
LAMP WATTS/TYPE	GPH560T5LHO	TUV60W	GPH436T5L/HO	GPH357T5L/HO	GPH893T5/HO	
LAMPS OPERATED	1	1	1	1	1	
INPUT WATTS	54.21	67.09	37.98	39.28	90.32	
LINE CURRENT:	0.451	0.559	0.320	0.330	0.750	
POWER FACTOR	0.995	0.996	0.987	0.990	0.999	
BALLAST FACTOR	0.96	0.92	0.95	0.95	0.93	
EFFICACY FACTOR	1.77	1.38	2.49	2.41	1.03	
THD	< 10%					
CURRENT CREST FACTOR	< 1.7					
EMI/RFI COMPLIANCE	FCC PART 18-A (Non-Consumer)					
SOUND RATING	" A "					
BALLAST TYPE	INSTANT START					
VOLTAGE TRANSIENTS	ANSI C82.11, 11-1993					
INPUT/PROTECTION	FUSE					
MIN. OPERATING TEMP	-18 °C (0 °F)					
MAX. CASE TEMP	70 °C (158 °F)					
TYPE "HL" APPROVED	APPROVED FOR HAZARDOUS LOCATION					
REMOTE MOUNTING	18 FT MAX					
APPROVALS/CLASS	UL LISTED, CLASS " P ", Type 1 OUTDOOR					

MECHANICAL DATA



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

WIRING DIAGRAMS

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	25 ± 1"	25 ± 1"	31 ± 1"	31 ± 1"	46 ± 1"	



GPH560T5LHO, TUV60W



**GHP436T5L/HO, GPH357T5L/HO,
GPH893T5/HO,**

NOTE : This ballast case must be grounded

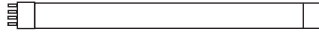
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Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described.

SPECIFICATION SHEET : WH15-UNV-L

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This Ballast Will Operate Following Lamps, with 2 Lamps Applications.



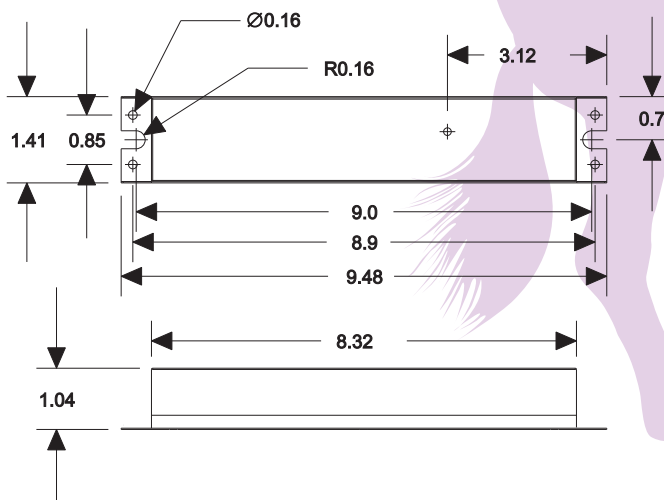
**GPH212T5L, GPH287T5L, GPH303T5L, GPH357T5L,
GPH436T5L, GPH793T5L, GPH843T5L**

TUV18W

ELECTRICAL DATA (With 120 Volt Application)

INPUT VOLT: 120V ± 10%, 50/60Hz								
LAMP WATTS/TYPE	GPH212T5L	GPH287T5L	GPH303T5L	GPH357T5L	TUV 18W	GPH436T5L	GPH793T5L	GPH843T5L
LAMPS OPERATED	2	2	2	2	2	2	2	2
INPUT WATTS	27.45	34.5	36.0	40.82	44.12	52.38	77.06	86.75
LINE CURRENT:	0.23	0.29	0.30	0.341	0.368	0.438	0.644	0.725
POWER FACTOR	0.99	0.987	0.990	0.989	0.992	0.994	0.997	0.998
BALLAST FACTOR	0.91	0.91	0.91	0.91	1.00	0.88	0.86	0.86
EFFICACY FACTOR	3.33	2.64	2.53	2.22	2.28	1.67	1.12	0.99
THD	< 10%							
CURRENT CREST FACTOR	< 1.7							
EMI/RFI COMPLIANCE	FCC PART 18-A (Non-Consumer)							
SOUND RATING	" A "							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82.11, 11-1993							
INPUT/PROTECTION	FUSE							
MIN. OPERATING TEMP	-18 °C (0 °F)							
MAX. CASE TEMP	70 °C (158 °F)							
TYPE "HL" APPROVED	APPROVED FOR HAZARDOUS LOCATION							
REMOTE MOUNTING	18 FT MAX							
APPROVALS/CLASS	UL LISTED, CLASS " P ", Type 1 OUTDOOR							

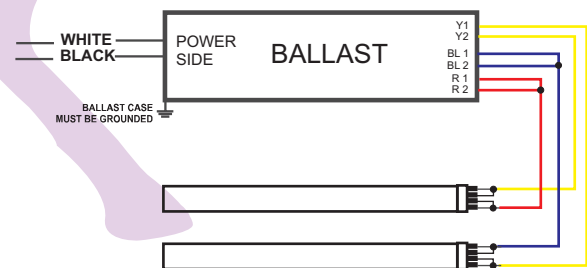
MECHANICAL DATA



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

WIRING DIAGRAMS

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	25 ± 1"	25 ± 1"	31 ± 1"	31 ± 1"	46 ± 1"	



NOTE : This ballast case must be grounded

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**GPH560T5LHO, GHP436T5L/HO,
GPH357T5L/HO, GPH893T5/HO,**

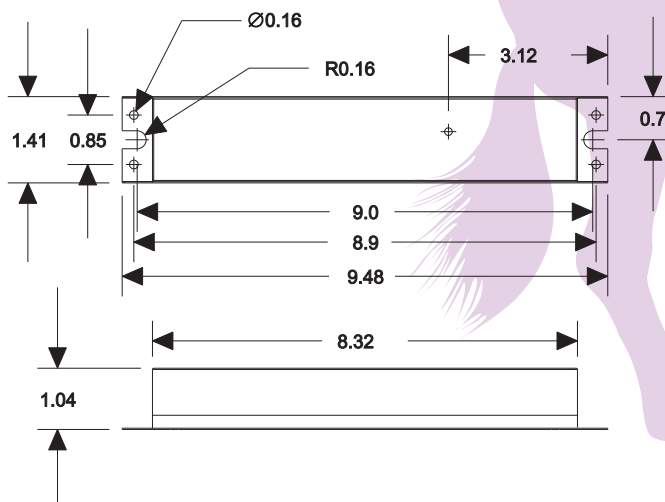


TUV60W

ELECTRICAL DATA (With 277 Volt Application)

INPUT VOLT: 277V ± 10%, 50/60Hz						
LAMP WATTS/TYPE	GPH560T5LHO	TUV60W	GPH436T5L/HO	GH357T5L/HO	GPH893T5/HO	
LAMPS OPERATED	1	1	1	1	1	
INPUT WATTS	53.93	64.42	37.98	39.4	86.3	
LINE CURRENT:	0.207	0.243	0.157	0.160	0.318	
POWER FACTOR	0.938	0.953	0.871	0.889	0.977	
BALLAST FACTOR	0.96	0.93	0.95	0.95	0.93	
EFFICACY FACTOR	1.79	1.44	2.49	2.41	1.08	
THD	< 10%					
CURRENT CREST FACTOR	< 1.7					
EMI/RFI COMPLIANCE	FCC PART 18-A (Non-Consumer)					
SOUND RATING	" A "					
BALLAST TYPE	INSTANT START					
VOLTAGE TRANSIENTS	ANSI C82.11, 11-1993					
INPUT/PROTECTION	FUSE					
MIN. OPERATING TEMP	-18 °C (0 °F)					
MAX. CASE TEMP	70 °C (158 °F)					
TYPE "HL" APPROVED	APPROVED FOR HAZARDOUS LOCATION					
REMOTE MOUNTING	18 FT MAX					
APPROVALS/CLASS	UL LISTED, CLASS " P ", Type 1 OUTDOOR					

MECHANICAL DATA



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

WIRING DIAGRAMS

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	25 ± 1"	25 ± 1"	46 ± 1"	31 ± 1"	46 ± 1"	



GPH560T5LHO, TUV60W



**GHP436T5L/HO, GPH357T5L/HO,
GPH893T5/HO,**



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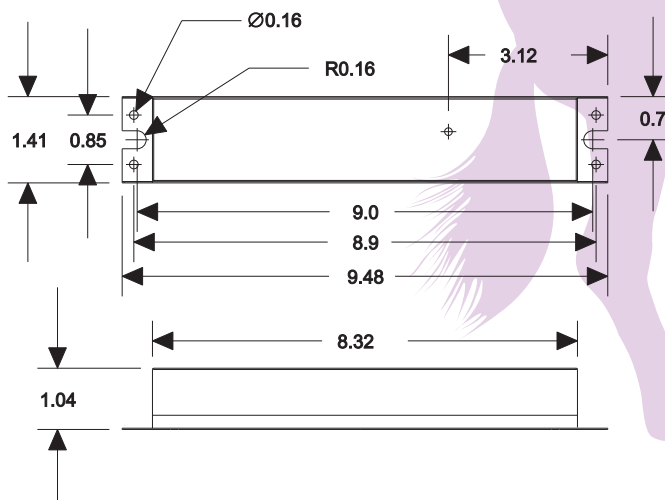
**GPH212T5L, GPH287T5L, GPH303T5L, GPH357T5L,
GPH436T5L, GPH793T5L, GPH843T5L**

TUV18W

ELECTRICAL DATA (With 277 Volt Application)

INPUT VOLT: 277V ± 10%, 50/60Hz								
LAMP WATTS/TYPE	GPH212T5L	GPH287T5L	GPH303T5L	GPH357T5L	TUV 18W	GPH436T5L	GPH793T5L	GPH843T5L
LAMPS OPERATED	2	2	2	2	2	2	2	2
INPUT WATTS	27.90	34.2	36.27	41.0	44.32	51.11	75.91	84.6
LINE CURRENT:	0.12	0.14	0.15	0.17	0.176	0.199	0.285	0.312
POWER FACTOR	0.81	0.855	0.8726	0.900	0.908	0.924	0.963	0.972
BALLAST FACTOR	0.92	0.91	0.91	0.91	1.04	0.88	0.86	0.86
EFFICACY FACTOR	3.28	2.66	2.51	2.21	2.34	1.72	1.14	1.01
THD	< 10%							
CURRENT CREST FACTOR	< 1.7							
EMI/RFI COMPLIANCE	FCC PART 18-A (Non-Consumer)							
SOUND RATING	"A"							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82.11, 11-1993							
INPUT/PROTECTION	FUZE							
MIN. OPERATING TEMP	-18 °C (0 °F)							
MAX. CASE TEMP	70 °C (158 °F)							
TYPE "HL" APPROVED	APPROVED FOR HAZARDOUS LOCATION							
REMOTE MOUNTING	18 FT MAX							
APPROVALS/CLASS	UL LISTED, CLASS " P", Type 1 OUTDOOR							

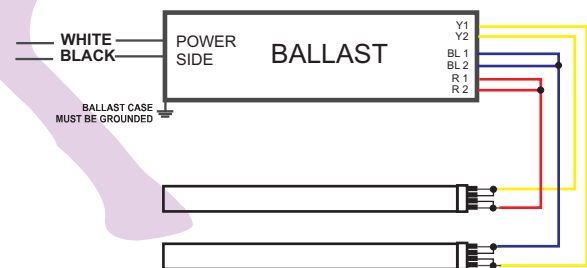
MECHANICAL DATA



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

WIRING DIAGRAMS

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
LENGTH - INCHES	25 ± 1"	25 ± 1"	46 ± 1"	31 ± 1"	46 ± 1"	



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