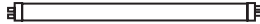


This Is An Original Product From Fulham Co., Inc.

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

**This Ballast Will Operate Following Lamps:**

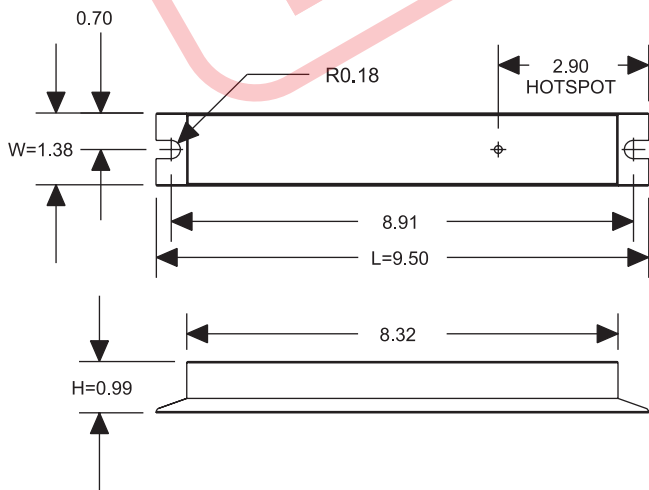


F17T8, F25T8, F32T8, FBO31T8, F40T8,  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA**

INPUT VOLT	120V ± 10%, 50/60Hz							
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/25	F32T8/28	F32T8/30
LAMPS OPERATED	1 (ONE)							
INPUT WATTS	25	33	45	54	44	38	39	44
LINE CURRENT	0.22	0.28	0.37	0.45	0.36	0.32	0.33	0.36
POWER FACTOR	0.95	0.98	0.98	0.98	0.98	0.98	0.98	0.98
BALLAST FACTOR	1.42	1.4	1.38	1.35	1.38	1.38	1.38	1.38
BALLAST EFFICACY FACTOR	5.68	4.24	3.06	2.49	3.13	3.63	3.53	3.13
THD	10%	10%	10%	10%	10%	10%	10%	10%
CURRENT CREST FACTOR	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
EMI/RFI COMPLIANCE	FCC PART 18-A ( NON-CONSUMER)							
SOUND RATING	"A"							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82 11-1993							
INPUT/PROTECTION	FUSE							
OUTPUT/PROTECTION	-							
MIN. STATING TEMP.	-18°C (0°F)							
MAX. CASE TEMP.	70°C (158°F)							
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0	-							
APPROVALS/CLASS	UL/cUL LISTED, CLASS P, 1 OUTDOOR							

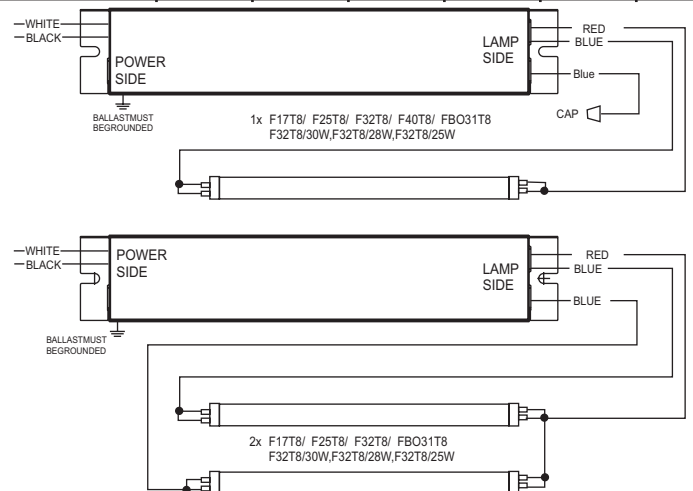
**MECHANICAL DATA**



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

**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
	24±1"	24±1"	46±1"	32±1"	-	-

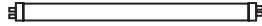


**NOTE:** This Ballast Must Be Grounded.

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

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

**This Ballast Will Operate Following Lamps:**

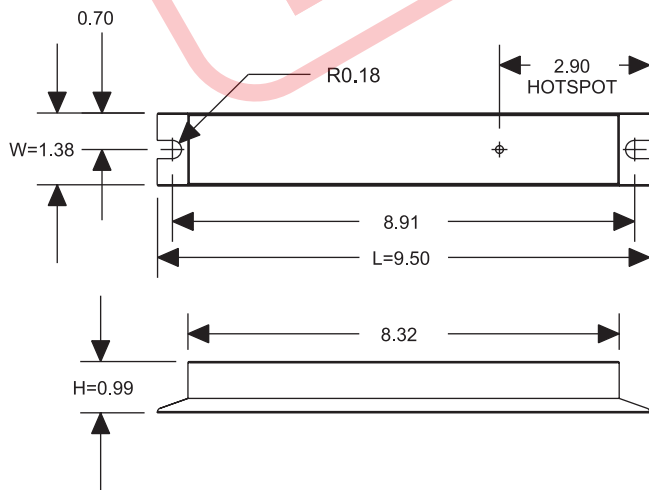


F17T8, F25T8, F32T8, FBO31T8, F40T8,  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA**

INPUT VOLT	120V ± 10%, 50/60Hz						
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	FBO31T8	F32T8/25	F32T8/28	F32T8/30
LAMPS OPERATED	2 (TWO)						
INPUT WATTS	39	54	74	73	63	64	69
LINE CURRENT	0.33	0.45	0.62	0.58	0.53	0.54	0.58
POWER FACTOR	0.98	0.98	0.98	0.98	0.98	0.98	0.98
BALLAST FACTOR	1.23	1.2	1.18	1.18	1.18	1.18	1.18
BALLAST EFFICACY FACTOR	3.15	2.20	1.59	1.61	1.87	1.84	1.71
THD	10%	10%	10%	10%	10%	10%	10%
CURRENT CREST FACTOR	1.7	1.7	1.7	1.7	1.7	1.7	1.7
EMI/RFI COMPLIANCE	FCC PART 18-A ( NON-CONSUMER)						
SOUND RATING	"A"						
BALLAST TYPE	INSTANT START						
VOLTAGE TRANSIENTS	ANSI C82 11-1993						
INPUT/PROTECTION	FUSE						
OUTPUT/PROTECTION	-						
MIN. STATING TEMP.	-18°C (0°F)						
MAX. CASE TEMP.	70°C (158°F)						
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION						
ENERGY STAR 4.0	-						
APPROVALS/CLASS	UL/cUL LISTED, CLASS P, 1 OUTDOOR						

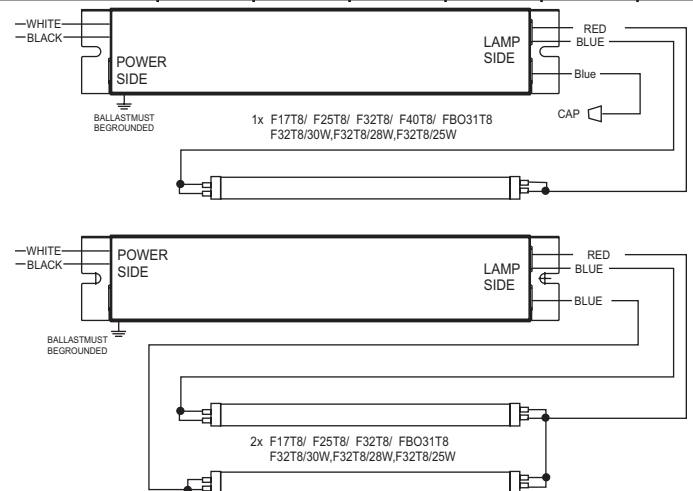
**MECHANICAL DATA**



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

**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
	24±1"	24±1"	46±1"	32±1"	-	-



NOTE: This Ballast Must Be Grounded.

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

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

**This Ballast Will Operate Following Lamps:**

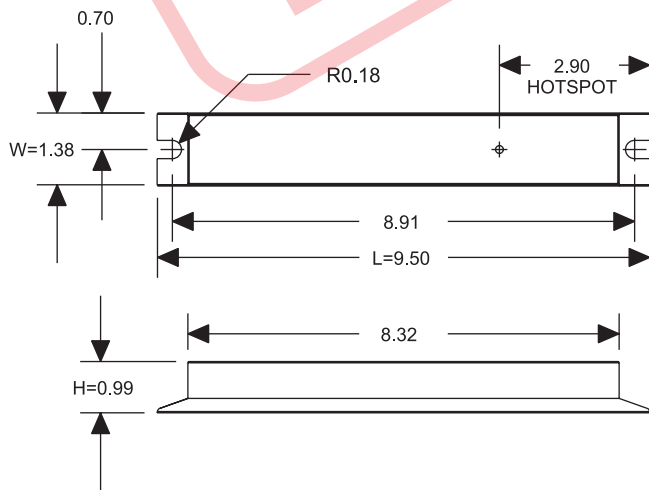


F17T8, F25T8, F32T8, FBO31T8, F40T8,  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA**

INPUT VOLT	230V ± 10%, 50/60Hz							
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/25	F32T8/28	F32T8/30
LAMPS OPERATED	1 (ONE)							
INPUT WATTS	25	33	45	54	44	38	39	44
LINE CURRENT	0.11	0.15	0.20	0.24	0.20	0.17	0.17	0.20
POWER FACTOR	0.95	0.96	0.97	0.97	0.97	0.97	0.97	0.97
BALLAST FACTOR	1.42	1.40	1.38	1.35	1.38	1.38	1.38	1.38
BALLAST EFFICACY FACTOR	5.69	4.24	3.06	2.50	3.14	3.63	3.54	3.14
THD	15%	15%	15%	15%	15%	15%	15%	15%
CURRENT CREST FACTOR	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
EMI/RFI COMPLIANCE	FCC PART 18-A ( NON-CONSUMER)							
SOUND RATING	"A"							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82 11-1993							
INPUT/PROTECTION	FUSE							
OUTPUT/PROTECTION	-							
MIN. STATING TEMP.	-18°C (0°F)							
MAX. CASE TEMP.	70°C (158°F)							
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0	-							
APPROVALS/CLASS	UL/cUL LISTED, CLASS P, 1 OUTDOOR							

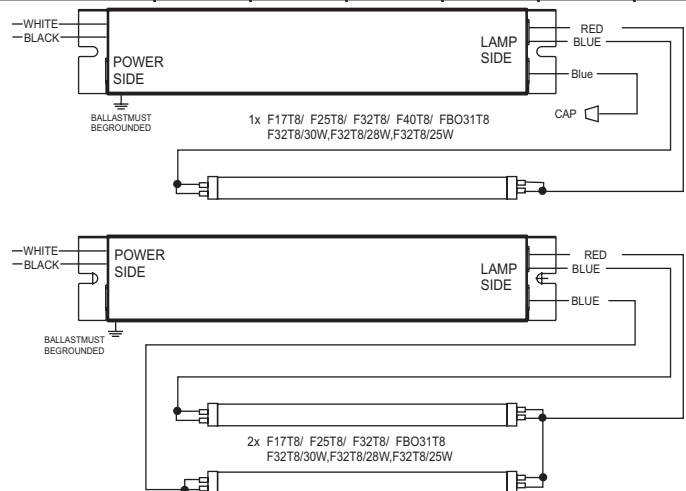
**MECHANICAL DATA**



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

**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
	24±1"	24±1"	46±1"	32±1"	-	-



NOTE: This Ballast Must Be Grounded.

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

**This Ballast Will Operate Following Lamps:**

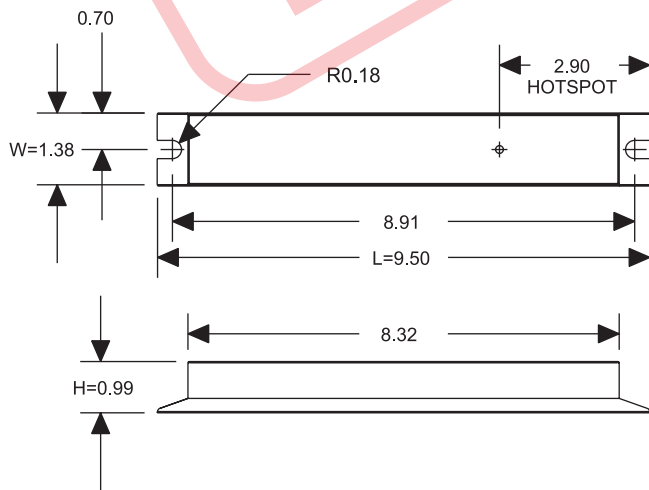


F17T8, F25T8, F32T8, FBO31T8, F40T8,  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA**

INPUT VOLT	230V ± 10%, 50/60Hz						
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	FBO31T8	F32T8/25	F32T8/28	F32T8/30
LAMPS OPERATED	2 (TWO)						
INPUT WATTS	39	54	73	71	62	63	69
LINE CURRENT	0.18	0.24	0.32	0.31	0.28	0.28	0.31
POWER FACTOR	0.96	0.97	0.98	0.98	0.98	0.97	0.98
BALLAST FACTOR	1.23	1.20	1.18	1.18	1.18	1.18	1.18
BALLAST EFFICACY FACTOR	3.15	2.22	1.61	1.66	1.90	1.87	1.71
THD	15%	15%	10%	10%	15%	15%	15%
CURRENT CREST FACTOR	1.7	1.7	1.7	1.7	1.7	1.7	1.7
EMI/RFI COMPLIANCE	FCC PART 18-A ( NON-CONSUMER)						
SOUND RATING	"A"						
BALLAST TYPE	INSTANT START						
VOLTAGE TRANSIENTS	ANSI C82 11-1993						
INPUT/PROTECTION	FUSE						
OUTPUT/PROTECTION	-						
MIN. STATING TEMP.	-18°C (0°F)						
MAX. CASE TEMP.	70°C (158°F)						
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION						
ENERGY STAR 4.0	-						
APPROVALS/CLASS	UL/cUL LISTED, CLASS P, 1 OUTDOOR						

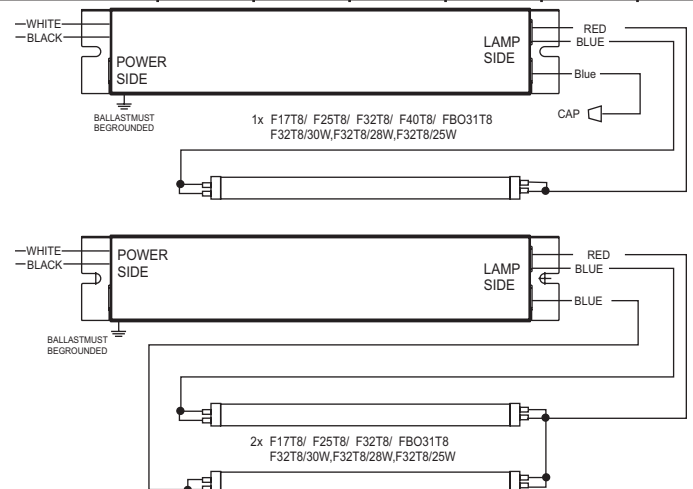
**MECHANICAL DATA**



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

**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
	24±1"	24±1"	46±1"	32±1"	-	-



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 For Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

**This Ballast Will Operate Following Lamps:**

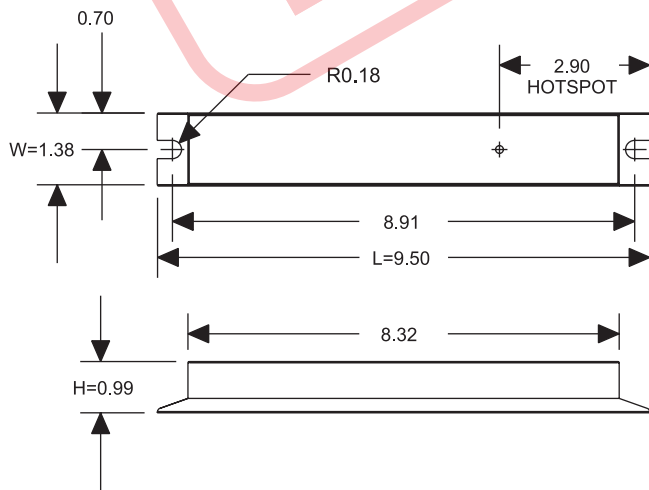


F17T8, F25T8, F32T8, FBO31T8, F40T8,  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA**

INPUT VOLT	277V ± 10%, 50/60Hz							
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	F40T8	FBO31T8	F32T8/25	F32T8/28	F32T8/30
LAMPS OPERATED	1 (ONE)							
INPUT WATTS	25	33	45	54	44	38	39	44
LINE CURRENT	0.11	0.13	0.17	0.20	0.16	0.14	0.15	0.16
POWER FACTOR	0.95	0.96	0.97	0.97	0.97	0.97	0.97	0.97
BALLAST FACTOR	1.42	1.40	1.38	1.35	1.38	1.38	1.38	1.38
BALLAST EFFICACY FACTOR	5.69	4.24	3.06	2.50	3.14	3.63	3.54	3.14
THD	15%	15%	15%	15%	15%	15%	15%	15%
CURRENT CREST FACTOR	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
EMI/RFI COMPLIANCE	FCC PART 18-A (NON-CONSUMER)							
SOUND RATING	"A"							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82 11-1993							
INPUT/PROTECTION	FUSE							
OUTPUT/PROTECTION	-							
MIN. STATING TEMP.	-18°C (0°F)							
MAX. CASE TEMP.	70°C (158°F)							
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION							
ENERGY STAR 4.0	-							
APPROVALS/CLASS	UL/cUL LISTED, CLASS P, 1 OUTDOOR							

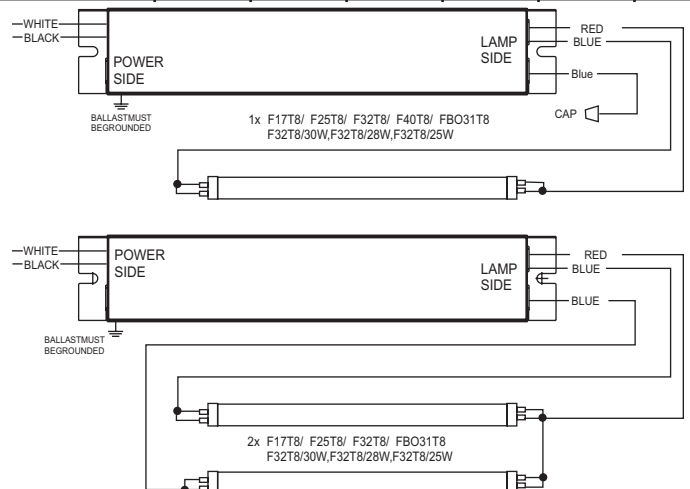
**MECHANICAL DATA**



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

**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
	24±1"	24±1"	46±1"	32±1"	-	-



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

**This Ballast Will Operate Following Lamps:**

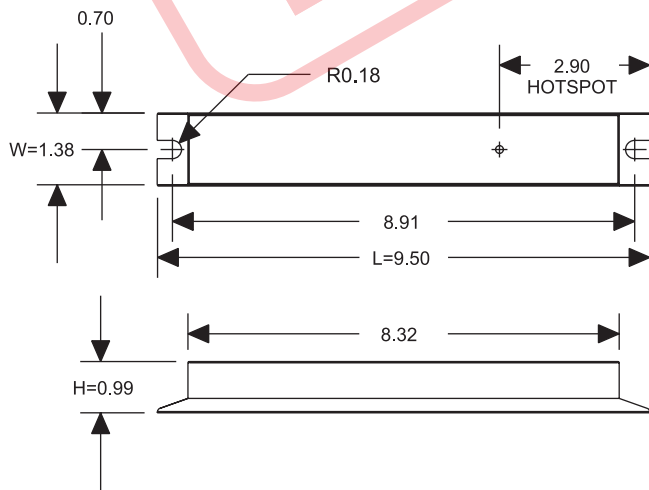


F17T8, F25T8, F32T8, FBO31T8, F40T8,  
 F32T8/30W, F32T8/28W, F32T8/25W

**ELECTRICAL DATA**

INPUT VOLT	277V ± 10%, 50/60Hz						
LAMP WATTS/TYPE	F17T8	F25T8	F32T8	FBO31T8	F32T8/25	F32T8/28	F32T8/30
LAMPS OPERATED	2 (TWO)						
INPUT WATTS	39	54	73	71	62	63	69
LINE CURRENT	0.15	0.20	0.27	0.25	0.23	0.24	0.25
POWER FACTOR	0.96	0.97	0.98	0.98	0.98	0.97	0.98
BALLAST FACTOR	1.23	1.20	1.18	1.18	1.18	1.18	1.18
BALLAST EFFICACY FACTOR	3.15	2.22	1.61	1.66	1.90	1.87	1.71
THD	15%	15%	10%	10%	15%	15%	15%
CURRENT CREST FACTOR	1.7	1.7	1.7	1.7	1.7	1.7	1.7
EMI/RFI COMPLIANCE	FCC PART 18-A ( NON-CONSUMER)						
SOUND RATING	"A"						
BALLAST TYPE	INSTANT START						
VOLTAGE TRANSIENTS	ANSI C82 11-1993						
INPUT/PROTECTION	FUSE						
OUTPUT/PROTECTION	-						
MIN. STATING TEMP.	-18°C (0°F)						
MAX. CASE TEMP.	70°C (158°F)						
TYPE "HL" APPROVAL	APPROVED FOR HAZARDOUS LOCATION						
ENERGY STAR 4.0	-						
APPROVALS/CLASS	UL/cUL LISTED, CLASS P, 1 OUTDOOR						

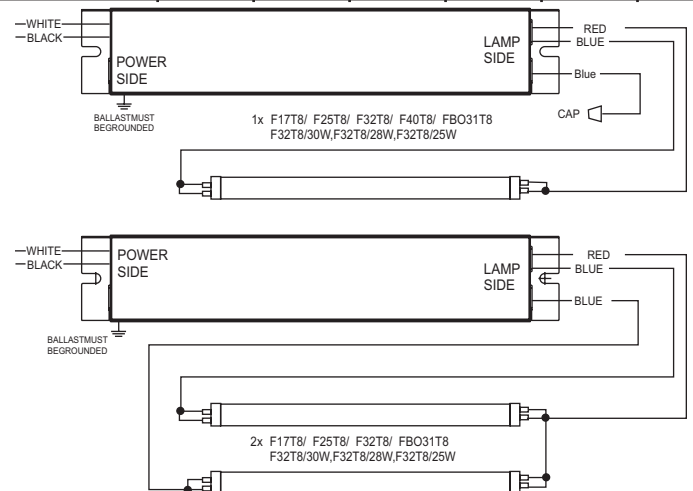
**MECHANICAL DATA**



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

**WIRING DIAGRAMS**

WIRE	BLACK	WHITE	RED	BLUE	YELLOW	BROWN
	24±1"	24±1"	46±1"	32±1"	-	-



NOTE: This Ballast Must Be Grounded.