

SPECIFICATION SHEET : SHGS1-MID-2-200-L

This Is An Original Product From Fulham Co., Inc

Description : Sun Horse electronic ballast developed for use with UV & tanning lamp applications

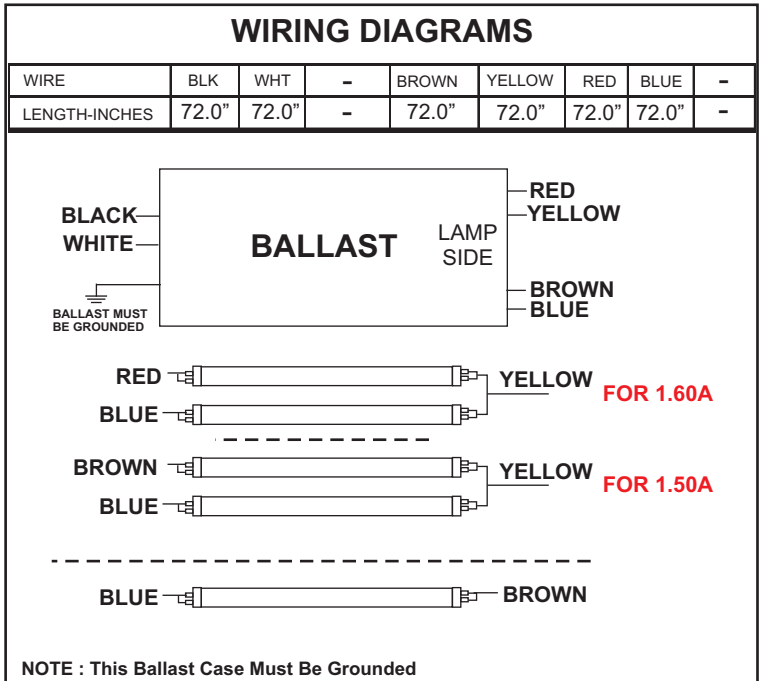
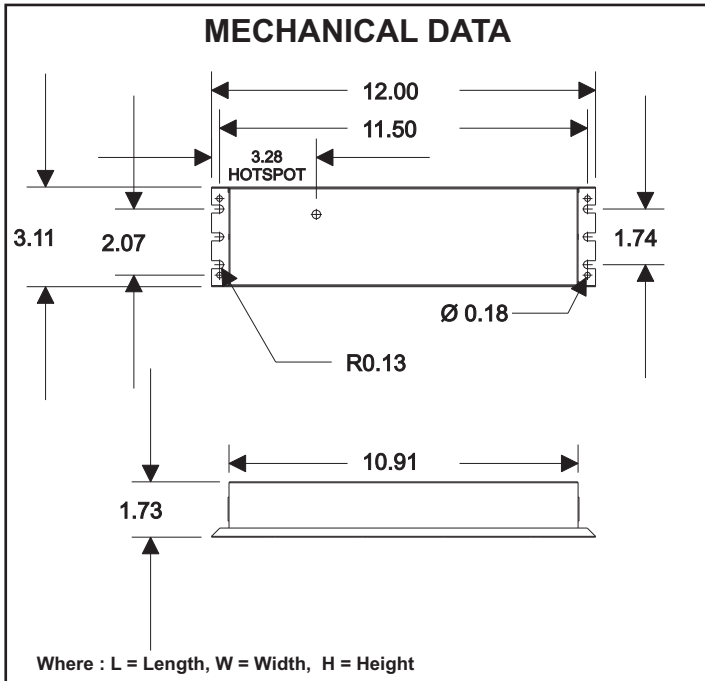
This Ballast Will Operate Following Lamps.



1 OR 2 X F59T12VHO, F60T12VHO,
F71T12VHO, F72T12VHO, F73T12VHO,
F74T12VHO, F79T12VHO

ELECTRICAL DATA (208V APPLICATION)

INPUT VOLT: 208V ± 10%, 50/60Hz , with 1.60 Amp application								
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W
LAMPS OPERATED	1							
INPUT WATTS	129	153	176	195	168	184	172	202
LINE CURRENT:	0.65	0.76	0.87	0.96	0.83	0.90	0.85	0.99
POWER FACTOR	0.95	0.96	0.97	0.98	0.97	0.97	0.97	0.98
BALLAST FACTOR	0.8	0.0	1.0	1.1	1.0	0.9	0.9	0.9
EFFICACY FACTOR	0.6	0.0	0.6	0.6	0.6	0.5	0.5	0.5
OPERATING FREQUENCY	56KHz							
THD	< 20%							
CURRENT CRESS FACTOR	< 1.7							
EMI/RFI COMPLIANCE	FCC PART 18-A							
SOUND RATING	" A "							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993 / C62.41							
INHERENT THERMAL PROT.	YES							
MIN. OPERATING TEMP	0 °C (32 ° F)							
MAX. CASE TEMP	75 °C (167 ° F)							
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR							



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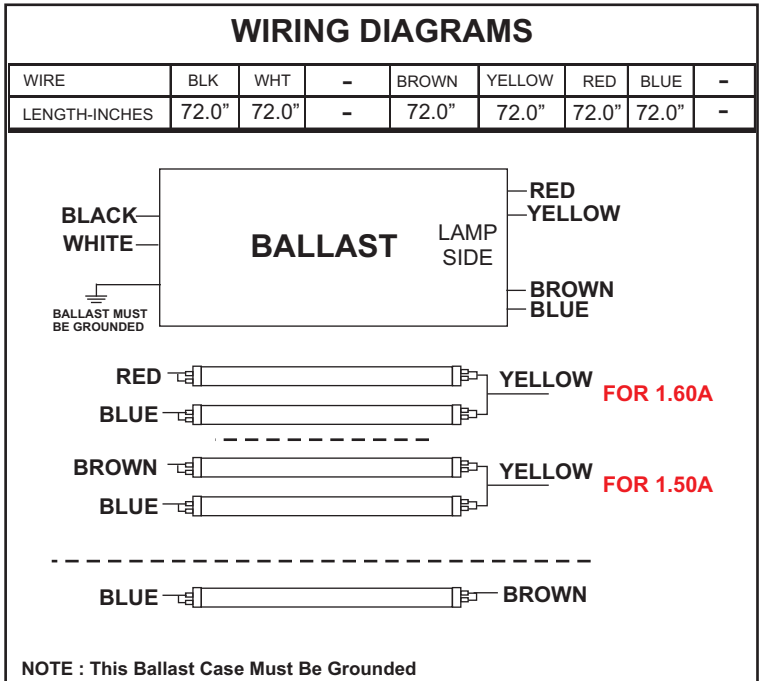
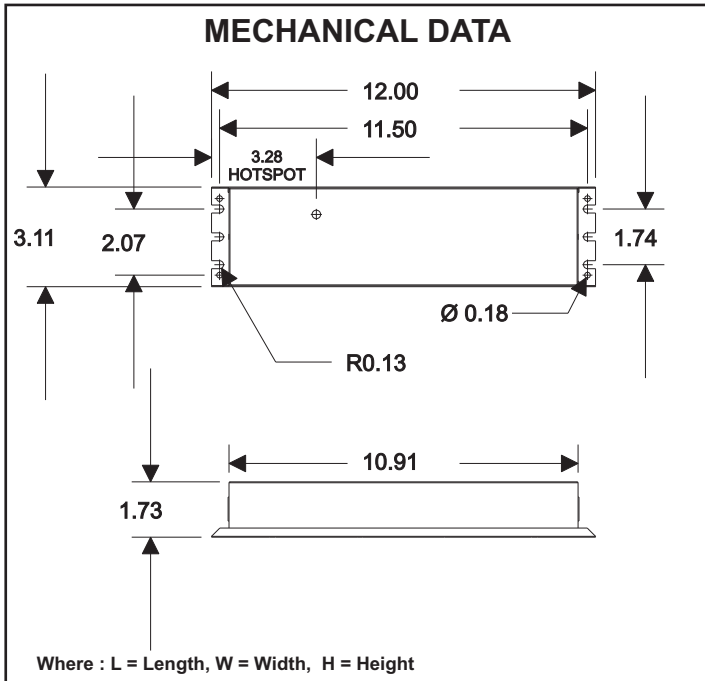
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INPUT VOLT: 208V ± 10%, 50/60Hz, with 1.60 Amp application								
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W
LAMPS OPERATED	2							
INPUT WATTS	268	301	313	329	328	351	361	381
LINE CURRENT:	1.30	1.46	1.51	1.59	1.57	1.69	1.74	1.84
POWER FACTOR	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	0.9	1.1	0.9	0.9	1.0	0.8	0.9	0.9
EFFICACY FACTOR	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.2
OPERATING FREQUENCY	56KHz							
THD	< 10%							
CURRENT CRESS FACTOR	< 1.7							
EMI/RFI COMPLIANCE	FCC PART 18-A							
SOUND RATING	" A "							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993 / C62.41							
INHERENT THERMAL PROT.	YES							
MIN. OPERATING TEMP	0 °C (32 °F)							
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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 2006-223-2 rev C

SPECIFICATION SHEET : **SHGS1-MID-2-200-L**

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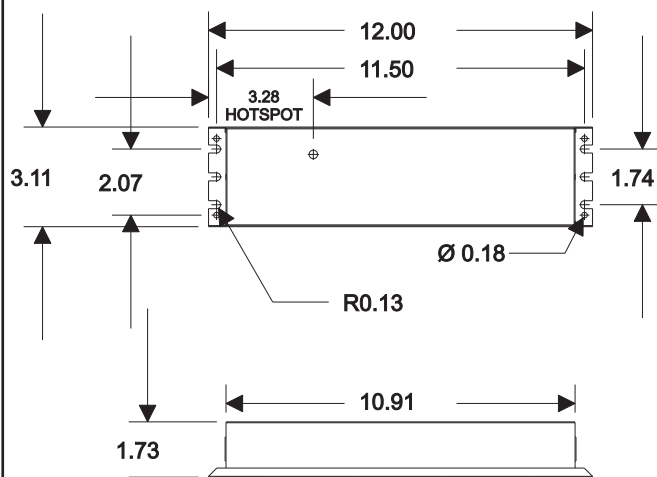


1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO, F72T12VHO, F73T12VHO, F74T12VHO, F79T12VHO

ELECTRICAL DATA (220V APPLICATION)

INPUT VOLT: 220V ± 10%, 50/60Hz , with 1.60 Amp application								
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W
LAMPS OPERATED	1							
INPUT WATTS	129	153	176	195	168	184	172	202
LINE CURRENT:	0.62	0.72	0.82	0.91	0.79	0.86	0.81	0.94
POWER FACTOR	0.95	0.97	0.97	0.98	0.97	0.97	0.97	0.98
BALLAST FACTOR	0.8	0.0	1.0	1.1	1.0	0.9	0.9	0.9
EFFICACY FACTOR	0.6	0.0	0.6	0.6	0.6	0.5	0.5	0.5
OPERATING FREQUENCY	56KHz							
THD	< 20%							
CURRENT CRESS FACTOR	< 1.7							
EMI/RFI COMPLIANCE	FCC PART 18-A							
SOUND RATING	" A "							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993 / C62.41							
INHERENT THERMAL PROT.	YES							
MIN. OPERATING TEMP	0 °C (32 ° F)							
MAX. CASE TEMP	75 °C (167 ° F)							
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR							

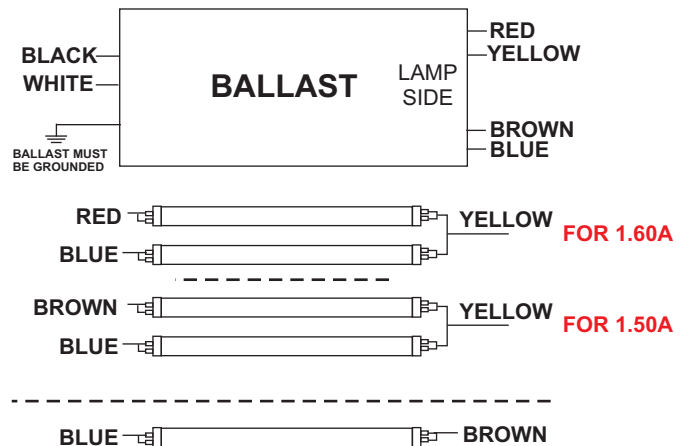
MECHANICAL DATA



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

WIRING DIAGRAMS

WIRE	BLK	WHT	-	BROWN	YELLOW	RED	BLUE	-
LENGTH-INCHES	72.0"	72.0"	-	72.0"	72.0"	72.0"	72.0"	-



NOTE : This Ballast Case Must Be Grounded

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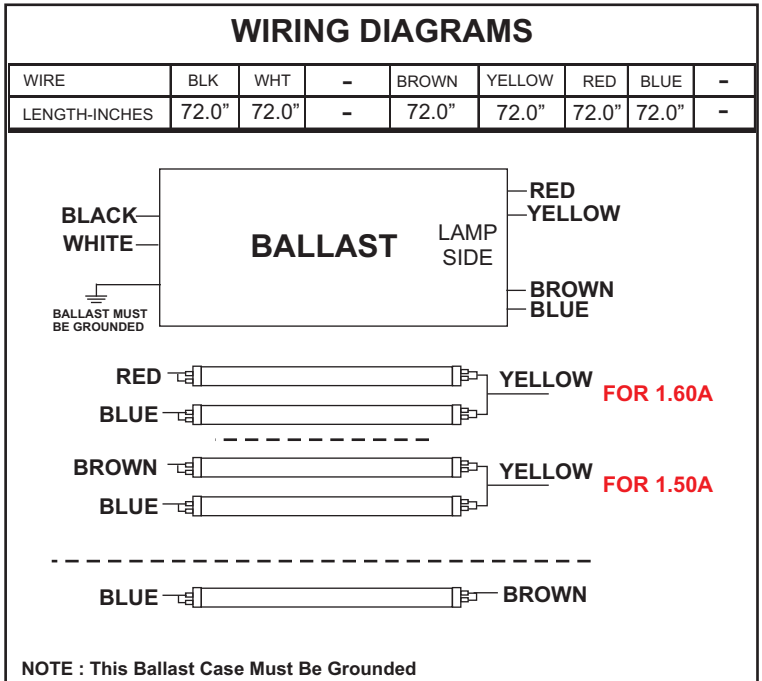
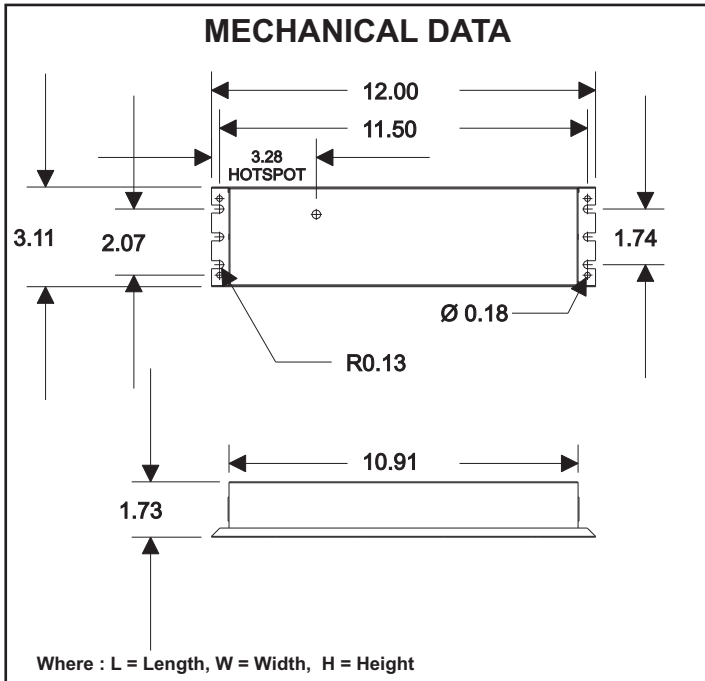
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F74T12VHO, F79T12VHO**

ELECTRICAL DATA (220V APPLICATION)

INPUT VOLT: 220V ± 10%, 50/60Hz, with 1.60 Amp application								
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W
LAMPS OPERATED	2							
INPUT WATTS	268	301	313	329	328	351	361	381
LINE CURRENT:	1.23	1.38	1.43	1.51	1.50	1.61	1.65	1.74
POWER FACTOR	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	0.9	1.1	0.9	0.9	1.0	0.8	0.9	0.9
EFFICACY FACTOR	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.2
OPERATING FREQUENCY	56KHz							
THD	< 10%							
CURRENT CRESS FACTOR	< 1.7							
EMI/RFI COMPLIANCE	FCC PART 18-A							
SOUND RATING	" A "							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993 / C62.41							
INHERENT THERMAL PROT.	YES							
MIN. OPERATING TEMP	0 °C (32 °F)							
MAX. CASE TEMP	75 °C (167 °F)							
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR							



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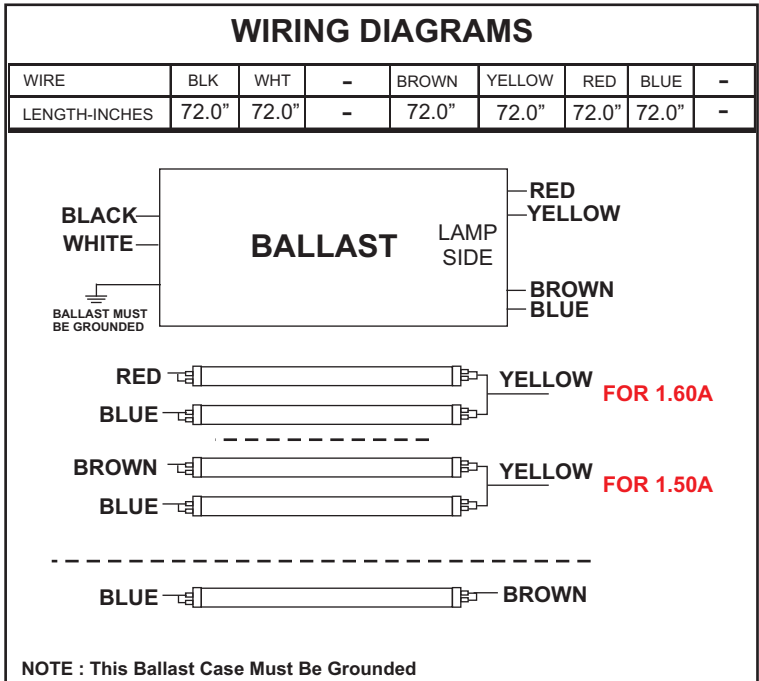
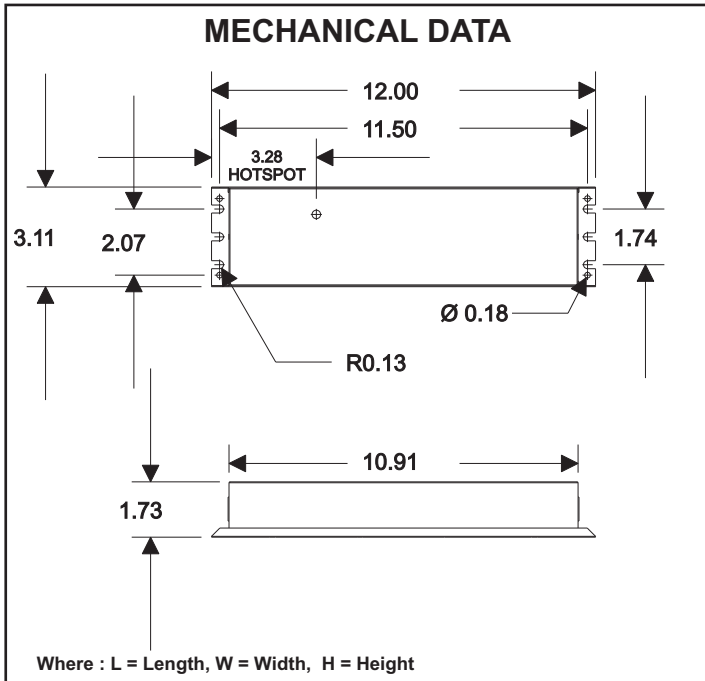
This Ballast Will Operate Following Lamps.



1 OR 2 X F59T12VHO, F60T12VHO,
F71T12VHO, F72T12VHO, F73T12VHO,
F74T12VHO, F79T12VHO

ELECTRICAL DATA (230V APPLICATION)

INPUT VOLT: 230V ± 10%, 50/60Hz , with 1.60 Amp application								
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W
LAMPS OPERATED	1							
INPUT WATTS	129	151	178	190	166	182	171	199
LINE CURRENT:	0.62	0.71	0.82	0.87	0.76	0.83	0.79	0.90
POWER FACTOR	0.91	0.93	0.95	0.95	0.94	0.95	0.95	0.96
BALLAST FACTOR	0.8	1.0	1.0	1.1	1.0	0.8	0.9	0.9
EFFICACY FACTOR	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5
OPERATING FREQUENCY	56KHz							
THD	< 20%							
CURRENT CRESS FACTOR	< 1.7							
EMI/RFI COMPLIANCE	FCC PART 18-A							
SOUND RATING	" A "							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993 / C62.41							
INHERENT THERMAL PROT.	YES							
MIN. OPERATING TEMP	0 °C (32 ° F)							
MAX. CASE TEMP	75 °C (167 ° F)							
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR							



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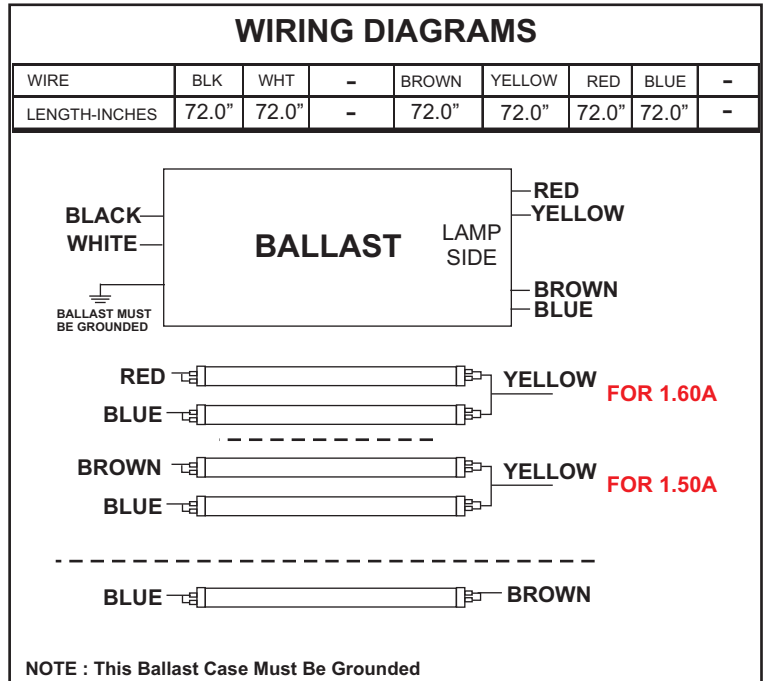
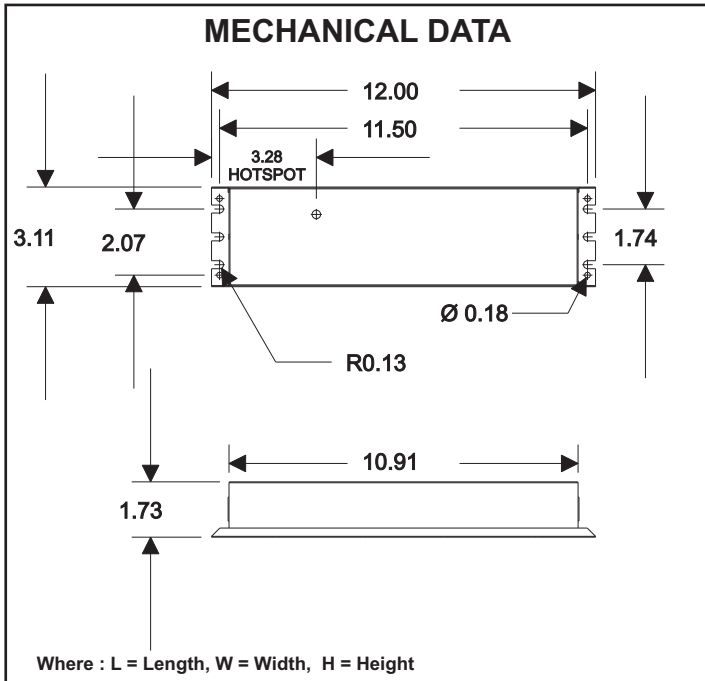
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ELECTRICAL DATA (230V APPLICATION)

INPUT VOLT: 230V ± 10%, 50/60Hz, with 1.60 Amp application								
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W
LAMPS OPERATED	2							
INPUT WATTS	263	296	310	325	324	351	360	377
LINE CURRENT:	1.17	1.31	1.37	1.43	1.43	1.55	1.58	1.66
POWER FACTOR	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	0.9	1.0	0.9	0.9	1.0	0.8	0.9	0.9
EFFICACY FACTOR	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.2
OPERATING FREQUENCY	56KHz							
THD	< 10%							
CURRENT CRESS FACTOR	< 1.7							
EMI/RFI COMPLIANCE	FCC PART 18-A							
SOUND RATING	" A "							
BALLAST TYPE	INSTANT START							
VOLTAGE TRANSIENTS	ANSI C82.11 - 1993 / C62.41							
INHERENT THERMAL PROT.	YES							
MIN. OPERATING TEMP	0 °C (32 ° F)							
MAX. CASE TEMP	75 °C (167 ° F)							
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", 1 OUTDOOR							



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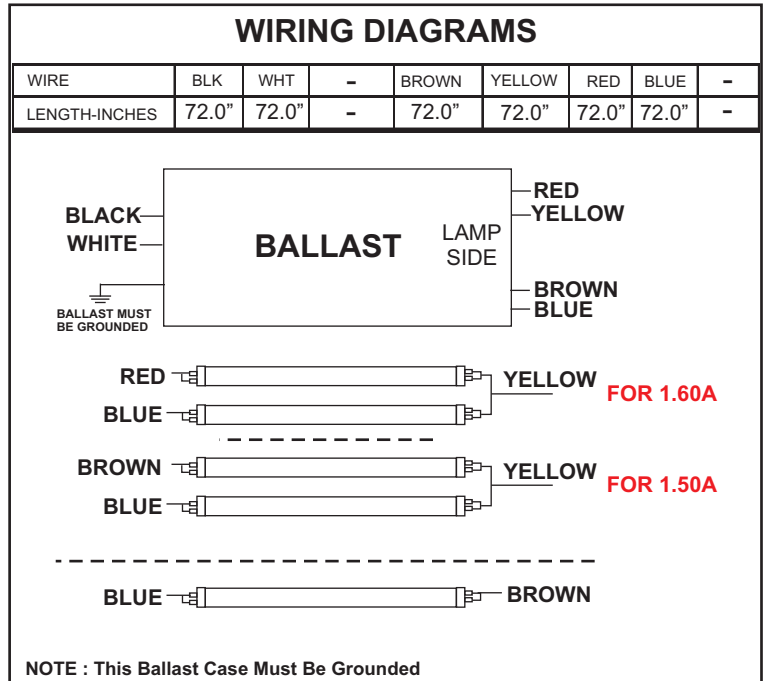
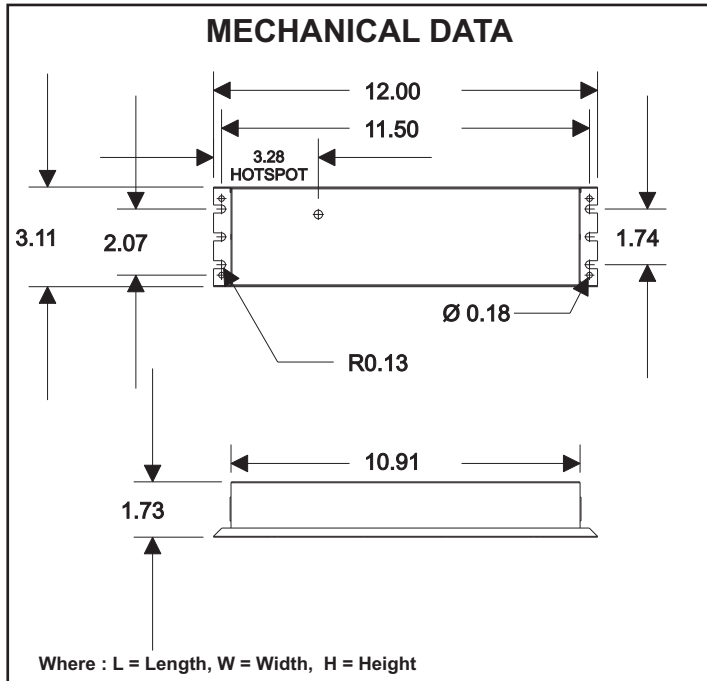
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ELECTRICAL DATA (240V APPLICATION)

INPUT VOLT: 240V ± 10%, 50/60Hz , with 1.60 Amp application								
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W
LAMPS OPERATED	1							
INPUT WATTS	129	151	178	190	166	182	171	199
LINE CURRENT:	0.59	0.67	0.78	0.82	0.73	0.80	0.75	0.86
POWER FACTOR	0.91	0.93	0.95	0.95	0.94	0.95	0.95	0.96
BALLAST FACTOR	0.8	1.0	1.0	1.1	1.0	0.8	0.9	0.9
EFFICACY FACTOR	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5
OPERATING FREQUENCY	56KHz							
THD	< 20%							
CURRENT CRESS FACTOR	< 1.7							
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SOUND RATING	" A "							
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VOLTAGE TRANSIENTS	ANSI C82.11 - 1993 / C62.41							
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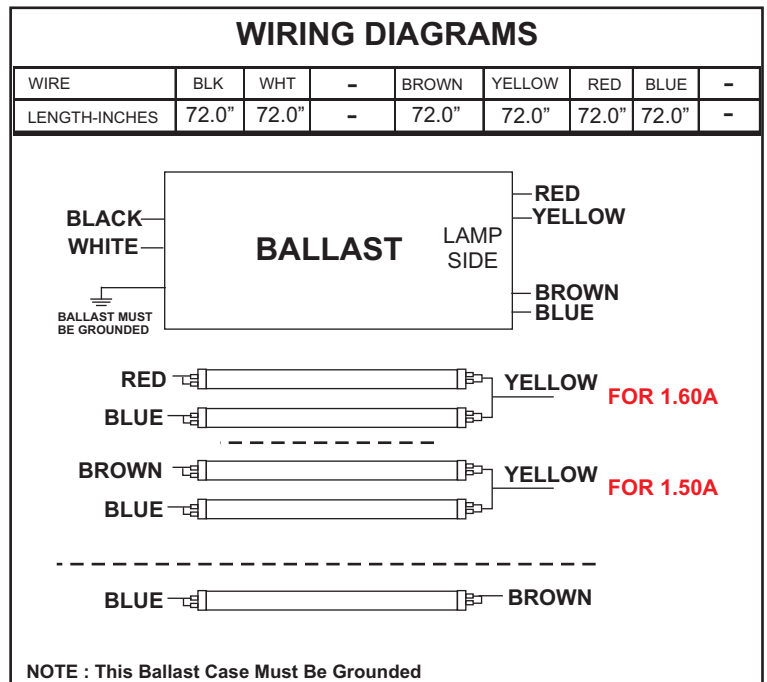
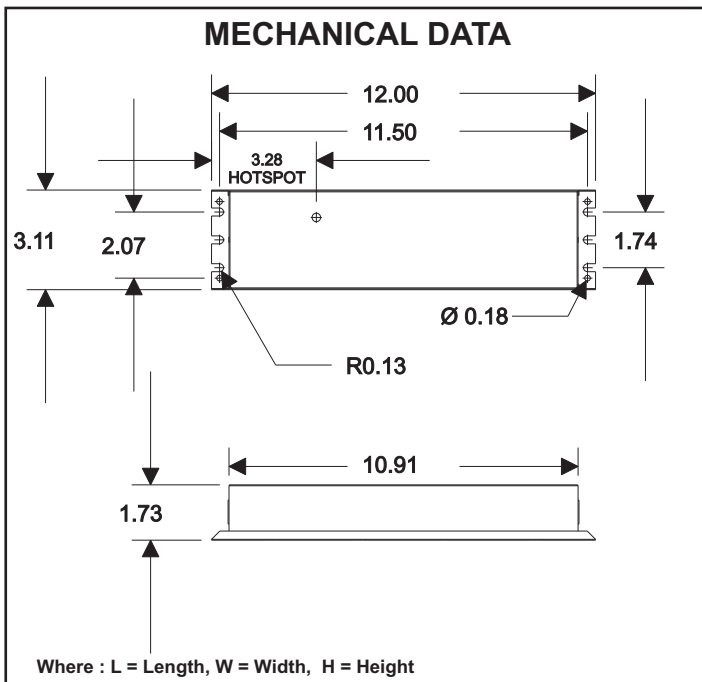
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LAMPS OPERATED	2							
INPUT WATTS	263	296	310	325	324	351	360	377
LINE CURRENT:	1.12	1.25	1.31	1.37	1.37	1.47	1.52	1.59
POWER FACTOR	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	0.9	1.0	0.9	0.9	1.0	0.8	0.9	0.9
EFFICACY FACTOR	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.2
OPERATING FREQUENCY	56KHz							
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