

This Is An Original Product From Fulham Co., Inc

Description: Sun Horse electronic ballast developed for use with

UV & tanning lamp applications

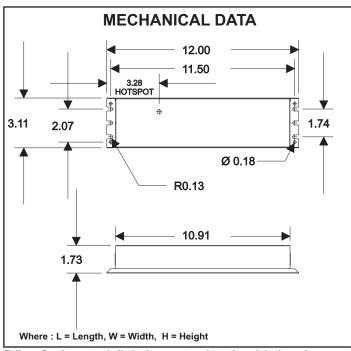
This Ballast Will Operate Following Lamps.

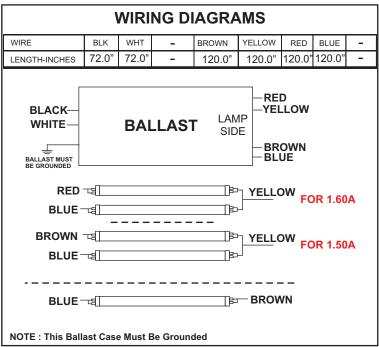
1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO, F72T12VHO, F73T12VHO,

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		
LAMPSOPERATED					1					
INPUT WATTS	129	174	176	195	168	184	172	202		
LINE CURRENT:	0.65	0.86	0.87	0.96	0.83	0.90	0.85	0.99		
POWER FACTOR	0.95	0.97	0.97	0.98	0.97	0.97	0.97	0.98		
BALLAST FACTOR	0.8	1.2	1.0	1.1	1.0	0.9	0.9	0.9		
EFFICACY FACTOR	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5		
OPERATING FREQUENCY				561	KHz					
THD				< 2	20%					
CURRENT CRESS FACTOR				<	1.7					
EMI/RFI COMPLIANCE				FCC PA	RT 18-A					
SOUND RATING				" /	۹ "					
BALLAST TYPE				INSTAN	T START					
VOLTAGE TRANSIENTS				ANSI C82.11 -	- 1993 / C62.41					
INHERENT THERMAL PROT.				ΥI	ES					
MIN. OPERATING TEMP				0 °C (	32 <sup>0</sup> F )					
MAX. CASE TEMP				75 °C (	167 <sup>0</sup> F )					
APPROVALS/CLASS			UL /cUl	LISTED, CLA	.SS " P ", 1 O U	TDOOR				







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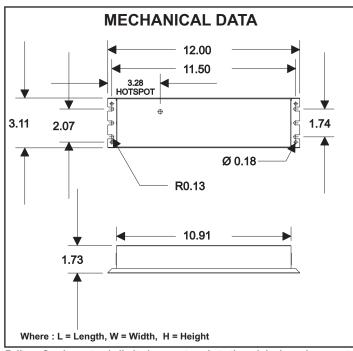
This Ballast Will Operate Following Lamps.

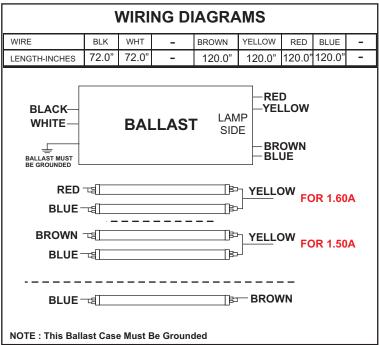


**F74T12VHO, F79T12VHO** 

#### **ELECTRICAL DATA (208V APPLICATION)**

			, (_		,	<u>'</u>		
INPUT VOLT: 208V ± 10%, 50/6	60Hz, with 1.60 A	Amp application	า					
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	2			
INPUT WATTS	268	355	313	329	328	351	361	381
LINE CURRENT:	1.30	1.71	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	1.2	0.9	0.9	1.0	0.8	0.9	0.9
EFFICACY FACTOR	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2
OPERATING FREQUENCY				56K	Hz			
THD				< 1	0%			
CURRENT CRESS FACTOR				< 1	.7			
EMI/RFI COMPLIANCE				FCC PAR	RT 18-A			
SOUND RATING				" A	١ "			
BALLAST TYPE				INSTANT	START			
VOLTAGE TRANSIENTS			,	ANSI C82.11 -	1993 / C62.41			
INHERENT THERMAL PROT.				YE				
MIN. OPERATING TEMP				0 °C (3				
MAX. CASE TEMP				75 <sup>0</sup> C ( 1	167 <sup>0</sup> F )			
APPROVALS/CLASS			UL/cUL	LISTED, CLAS	SS " P ", 1 OU <sup>-</sup>	TDO OR		







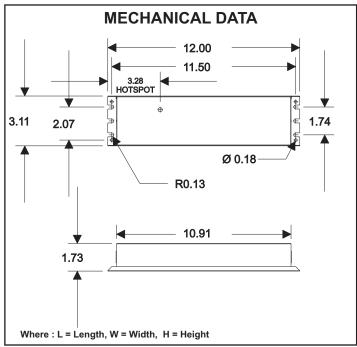
This Is An Original Product From Fulham Co., Inc

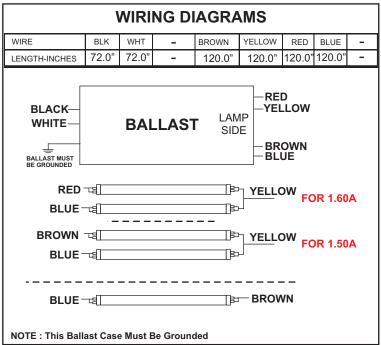
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1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO, F72T12VHO, F73T12VHO, F74T12VHO, F79T12VHO

#### **ELECTRICAL DATA (208V APPLICATION)**







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Description: Sun Horse electronic ballast developed for use with

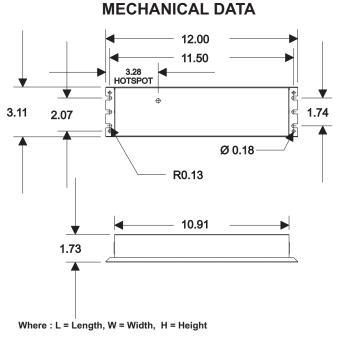
UV & tanning lamp applications

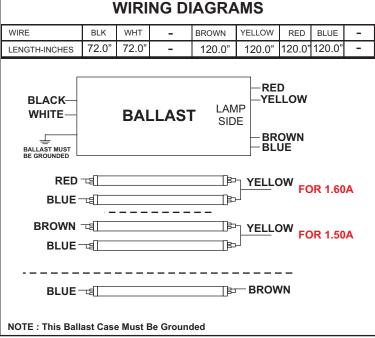
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1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO, F72T12VHO, F73T12VHO, F74T12VHO, F79T12VHO

#### **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	174	176	195	168	184	172	202		
LINE CURRENT:	0.62	0.82	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	1.2	1.0	1.1	1.0	0.9	0.9	0.9		
EFFICACY FACTOR	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5		
OPERATING FREQUENCY				56k	〈Hz					
THD				< 2	0%					
CURRENT CRESS FACTOR				< 1	1.7					
EMI/RFI COMPLIANCE				FCC PA	RT 18-A					
SOUND RATING				" <i>F</i>	A "					
BALLAST TYPE				INSTAN <sup>-</sup>	T START					
VOLTAGE TRANSIENTS				ANSI C82.11 -	1993 / C62.41					
INHERENT THERMAL PROT.					ES					
MIN. OPERATING TEMP		<u> </u>		0 °C (	32 <sup>0</sup> F )	<u> </u>	<u> </u>			
MAX. CASE TEMP				75 °C (	167 <sup>0</sup> F )					
APPROVALS/CLASS			UL /cU	L LISTED, CLA	SS " P ", 1 OUT	TDOOR				







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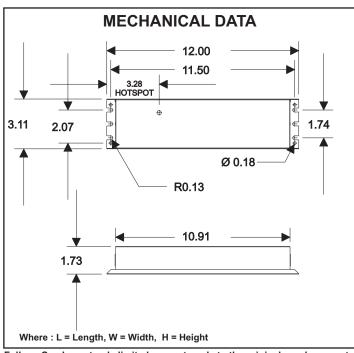
This Ballast Will Operate Following Lamps.

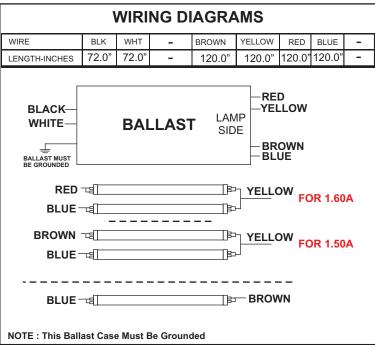
1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO, F72T12VHO, F73T12VHO,

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			
LAMPSOPERATED				2	2						
INPUT WATTS	268	355	313	329	328	351	361	381			
LINE CURRENT:	1.23	1.62	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	1.2	0.9	0.9	1.0	0.8	0.9	0.9			
EFFICACY FACTOR	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2			
OPERATING FREQUENCY	56KHz										
THD				< 1	0%						
CURRENT CRESS FACTOR				< 1	.7						
EMI/RFI COMPLIANCE				FCC PAR	RT 18-A						
SOUND RATING				" A	۱ "						
BALLAST TYPE				INSTANT	START						
VOLTAGE TRANSIENTS			,	ANSI C82.11 -	1993 / C62.41						
INHERENT THERMAL PROT.				YE							
MIN. OPERATING TEMP		<u> </u>	<u> </u>	0 °C (3		<u> </u>	<u> </u>				
MAX. CASE TEMP				75 <sup>0</sup> C ( 1	167 <sup>0</sup> F )						
APPROVALS/CLASS			UL/cUL	LISTED, CLAS	SS " P ", 1 OU	TDO OR		·			







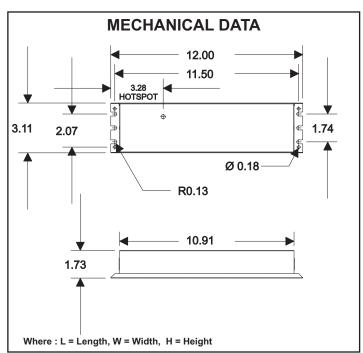
This Is An Original Product From Fulham Co., Inc

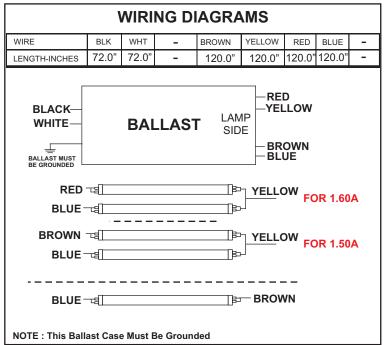
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1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO, F72T12VHO, F73T12VHO, F74T12VHO, F79T12VHO

#### **ELECTRICAL DATA (220V APPLICATION)**





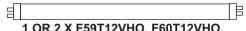


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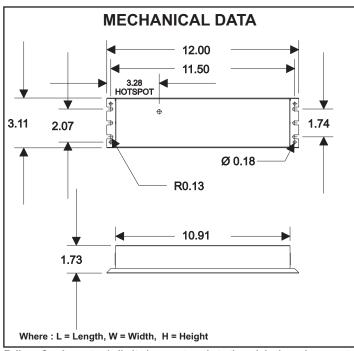
This Ballast Will Operate Following Lamps.

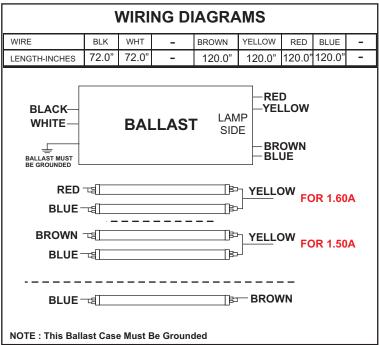


1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO,F72T12VHO, F73T12VHO, F74T12VHO, F79T12VHO

#### **ELECTRICAL DATA (230V APPLICATION)**

INPUT VOLT: 230V ± 10%, 50/	60Hz, with 1.60	Amp applicati	on								
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO			
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W			
LAMPSOPERATED					1						
INPUT WATTS	129	173	178	190	166	182	171	199			
LINE CURRENT:	0.62	0.79	0.82	0.87	0.76	0.83	0.79	0.90			
POWER FACTOR	0.91	0.95	0.95	0.95	0.94	0.95	0.95	0.96			
BALLAST FACTOR	0.8	1.2	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				< 2	0%						
CURRENT CRESS FACTOR				< '	1.7						
EMI/RFI COMPLIANCE				FCC PA	RT 18-A						
SOUND RATING				" /	Α "						
BALLAST TYPE				INSTAN	T START						
VOLTAGE TRANSIENTS				ANSI C82.11 -	1993 / C62.41						
INHERENT THERMAL PROT.					ES						
MIN. OPERATING TEMP				0 °C (							
MAX. CASE TEMP				75 °C (	167 <sup>0</sup> F)						
APPROVALS/CLASS			UL /cUl	L LISTED, CLA	SS " P ", 1 O U	DOOR					







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Description: Sun Horse electronic ballast developed for use with

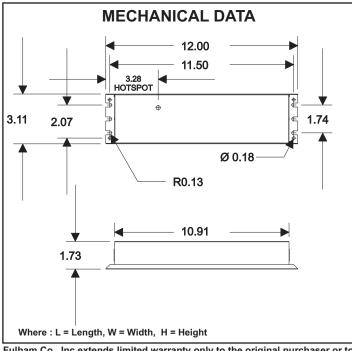
UV & tanning lamp applications

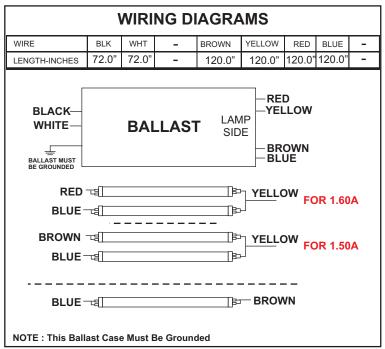
### This Ballast Will Operate Following Lamps.

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

#### **ELECTRICAL DATA (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			
LAMPSOPERATED		2									
INPUT WATTS	263	347	310	325	324	351	360	377			
LINE CURRENT:	1.17	1.53	1.37	1.43	1.43	1.55	1.58	1.66			
POWER FACTOR	0.98	0.99	0.98	0.99	0.99	0.99	0.99	0.99			
BALLAST FACTOR	0.9	1.2	0.9	0.9	1.0	0.8	0.9	0.9			
EFFICACY FACTOR	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2			
OPERATING FREQUENCY	56KHz										
THD				< 1	0%						
CURRENT CRESS FACTOR				< 1	.7						
EMI/RFI COMPLIANCE				FCC PAR	RT 18-A						
SOUND RATING				" A	۱."						
BALLAST TYPE				INSTANT	START						
VOLTAGE TRANSIENTS			,	ANSI C82.11 -	1993 / C62.41						
INHERENT THERMAL PROT.				YE							
MIN. OPERATING TEMP		<u> </u>	<u> </u>	0 °C (3		<u> </u>	<u> </u>	·			
MAX. CASE TEMP				75 <sup>0</sup> C ( 1	167 <sup>0</sup> F )						
APPROVALS/CLASS			UL/cUL	LISTED, CLAS	SS " P ", 1 OU	TDOOR					







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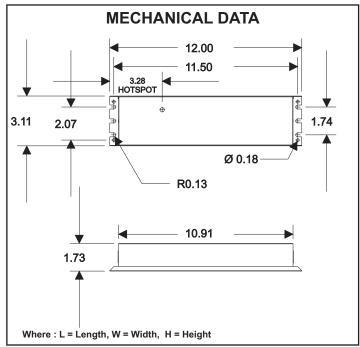
Description: Sun Horse electronic ballast developed for use with

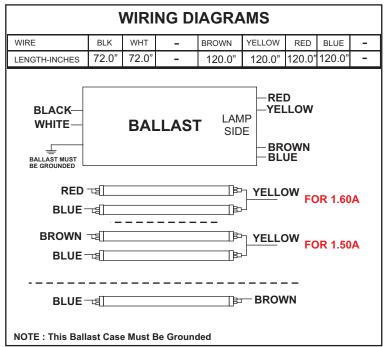
UV & tanning lamp applications

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

#### **ELECTRICAL DATA (230V APPLICATION)**







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UV & tanning lamp applications

### This Ballast Will Operate Following Lamps.



#### **ELECTRICAL DATA (240V APPLICATION)**

60Hz , with 1.60	Amp applicati	on							
F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO		
140W	135W	160W	165W	160W	200W	180W	200W		
				1					
129	173	178	190	166	182	171	199		
0.59	0.77	0.78	0.82	0.73	0.80	0.75	0.86		
0.91	0.95	0.95	0.95	0.94	0.95	0.95	0.96		
0.8	1.2	1.0	1.1	1.0	0.8	0.9	0.9		
0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5		
56KHz									
			< 2	20%					
			< '	1.7					
			FCC PA	RT 18-A					
			" /	Α "					
			INSTAN	T START					
			ANSI C82.11 -	1993 / C62.41					
			YE	ES					
			75 °C (	167 <sup>0</sup> F )					
		UL /cUl	L LISTED, CLA	SS " P ", 1 O U	TDOOR				
	F59T12VHO 140W 129 0.59 0.91 0.8	F59T12VHO F60T12VHO 140W 135W 129 173 0.59 0.77 0.91 0.95 0.8 1.2	140W 135W 160W  129 173 178 0.59 0.77 0.78 0.91 0.95 0.95 0.8 1.2 1.0 0.6 0.7 0.6	F59T12VHO F60T12VHO F71T12VHO F72T12VHO 140W 135W 160W 165W  129 173 178 190 0.59 0.77 0.78 0.82 0.91 0.95 0.95 0.95 0.8 1.2 1.0 1.1 0.6 0.7 0.6 0.6  FCC PA  FCC PA  INSTAN  ANSI C82.11 -  YI  0 °C ( 75 °C (	F59T12VHO F60T12VHO F71T12VHO F72T12VHO F73T12VHO  140W 135W 160W 165W 160W  129 173 178 190 166 0.59 0.77 0.78 0.82 0.73 0.91 0.95 0.95 0.95 0.94 0.8 1.2 1.0 1.1 1.0 0.6 0.7 0.6 0.6 0.6 0.6	F59T12VHO F60T12VHO F71T12VHO F72T12VHO F73T12VHO F74T12VHO 140W 135W 160W 165W 160W 200W  129 173 178 190 166 182 0.59 0.77 0.78 0.82 0.73 0.80 0.91 0.95 0.95 0.95 0.95 0.94 0.95 0.8 1.2 1.0 1.1 1.0 0.8 0.6 0.7 0.6 0.6 0.6 0.6 0.5  56KHz  < 20%  < 1.7  FCC PART 18-A  "A"  INSTANT START  ANSI C82.11 - 1993 / C62.41  YES  0 °C ( 32 °F )	F59T12VHO         F60T12VHO         F71T12VHO         F72T12VHO         F73T12VHO         F74T12VHO         F79T12VHO           140W         135W         160W         160W         200W         180W           129         173         178         190         166         182         171           0.59         0.77         0.78         0.82         0.73         0.80         0.75           0.91         0.95         0.95         0.95         0.94         0.95         0.95           0.8         1.2         1.0         1.1         1.0         0.8         0.9           0.6         0.7         0.6         0.6         0.6         0.5         0.5           56KHz         < 20%		

MECHANICAL DATA

12.00

11.50

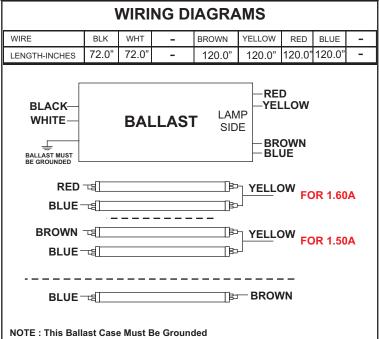
3.28

HOTSPOT

RO.13

RO.13

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





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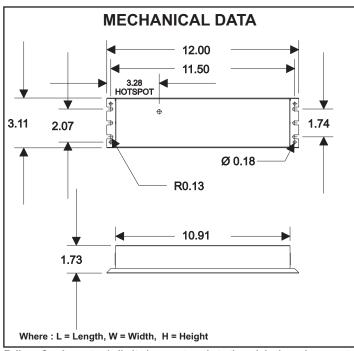
UV & tanning lamp applications

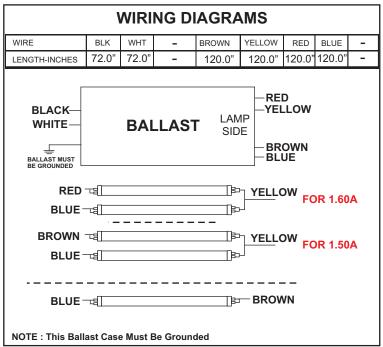
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1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO,F72T12VHO, F73T12VHO, F74T12VHO, F79T12VHO

#### **ELECTRICAL DATA (240V APPLICATION)**

INPUT VOLT: 240V ± 10%, 50/6	60Hz, with 1.60 A	mp application	า									
LAMP WATTS/TYPE	F59T12VHO	F60T12VHO	F71T12VHO	F72T12VHO	F73T12VHO	F74T12VHO	F79T12VHO	F79T12VHO				
LAMP RATED POWER	140W	135W	160W	165W	160W	200W	180W	200W				
LAMPSOPERATED		2										
INPUT WATTS	263	347	310	325	324	351	360	377				
LINE CURRENT:	1.12	1.46	1.31	1.37	1.37	1.47	1.52	1.59				
POWER FACTOR	0.98	0.99	0.98	0.99	0.99	0.99	0.99	0.99				
BALLAST FACTOR	0.9	1.2	0.9	0.9	1.0	0.8	0.9	0.9				
EFFICACY FACTOR	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2				
OPERATING FREQUENCY				56K	(Hz							
THD				< 1	0%							
CURRENT CRESS FACTOR				< 1	.7							
EMI/RFI COMPLIANCE				FCC PAR	RT 18-A							
SOUND RATING				" A	۱ "							
BALLAST TYPE				INSTANT	START							
VOLTAGE TRANSIENTS			,	ANSI C82.11 -	1993 / C62.41							
INHERENT THERMAL PROT.				YE	S							
MIN. OPERATING TEMP				0 °C (3	32 <sup>0</sup> F )							
MAX. CASE TEMP				75 <sup>0</sup> C ( 1	167 <sup>0</sup> F )							
APPROVALS/CLASS			UL/cUL	LISTED, CLAS	SS " P ", 1 OU	TDO OR						







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

#### **ELECTRICAL DATA (240V APPLICATION)**

