

This Is An Original Product From Fulham Co., Inc

Description: Sun Horse electronic ballast developed for use with

UV & tanning lamp applications

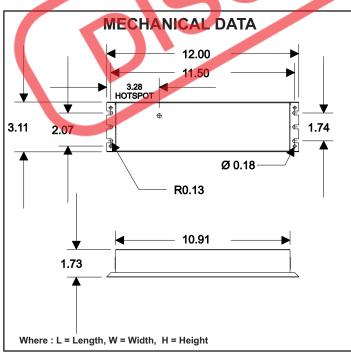
This Ballast Will Operate Following Lamps.

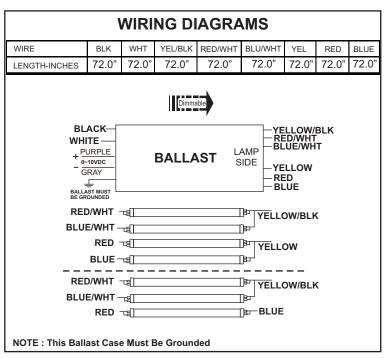
=

3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (208V APPLICATION)

						<u>, </u>		
INPUT VOLT: 208V ± 10%, 50/60	OHz ,							
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-		-	
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED				;	3			
INPUT WATTS	232	259	263	271				
LINE CURRENT:	1.13	1.26	1.27	1.32				
POWER FACTOR	0.98	0.99	0.99	0.99				
BALLAST FACTOR	0.9	0.8	1.0	0.9	1			
EFFICACY FACTOR	0.4	0.3	0.4	0.3				
OPERATING FREQUENCY				54h	(Hz			
THD				< 1	0%			
CURRENT CRESS FACTOR				X	1.7			
EMI/RFI COMPLIANCE				FCC PAR				
SOUND RATING				")	۸"			
BALLAST TYPE				INSTAN	T START			
VOLTAGE TRANSIENTS				ANSI C82.11 -	1993 / C62.41			
INHERENT THERMAL PROT.					S			
MIN. OPERATING TEMP				0 °C (
MAX. CASE TEMP				75 °C (167 ⁰ F)			
DIMMING RANGE				100% T	O 70%			
APPROVALS/CLASS			UL/cUL LISTE	D, CLASS " P ", 1 Ol	JTDOOR, Class 2 D	imming Control		





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2011-269-1 rev B



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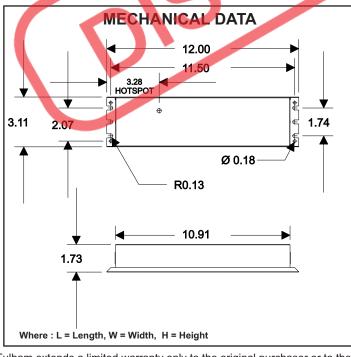
UV & tanning lamp applications

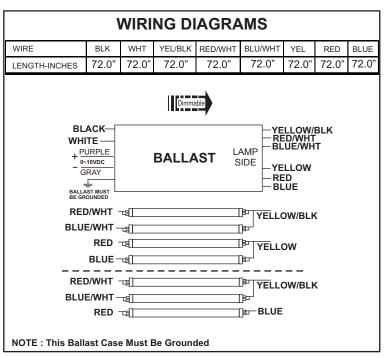
This Ballast Will Operate Following Lamps.

3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (208V APPLICATION)

INPUT VOLT: 208V ± 10%, 50/60I	Hz ,		-					
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-		-	
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED				4	1			
INPUT WATTS	302	334	340	355				
LINE CURRENT:	1.46	1.61	1.64	1.72				
POWER FACTOR	0.99	0.99	0.99	0.99				
BALLAST FACTOR	0.9	0.8	1.0	0.9				
EFFICACY FACTOR	0.3	0.2	0.3	0.2				
OPERATING FREQUENCY				54K	(Hz			
THD				< 1	0%			
CURRENT CRESS FACTOR				< 1	.7			
EMI/RFI COMPLIANCE				FCC PAF	RT 18-A			
SOUND RATING				V.A	! "			
BALLAST TYPE				INSTANT	START			
VOLTAGE TRANSIENTS				ANSI C82.11 -	1993 / C62.41			
INHERENT THERMAL PROT.					S			
MIN. OPERATING TEMP				0 °C (3				
MAX. CASE TEMP				75 ⁰ C (1	167 ⁰ F)	•		•
DIMMING RANGE				100% T	O 70%	·	·	·
APPROVALS/CLASS			UL/cUL LISTED), CLASS " P ", 1 OL	JTDOOR, Class 2 Di	imming Control		





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2011-269-2 rev B



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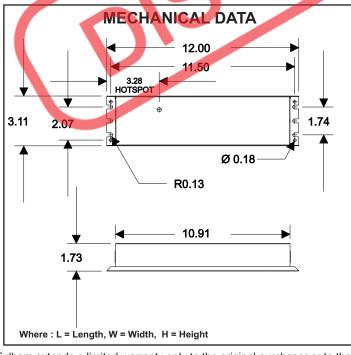
UV & tanning lamp applications

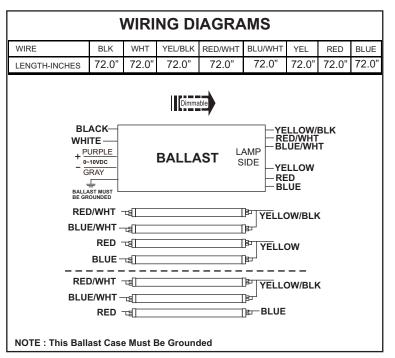
This Ballast Will Operate Following Lamps.

3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (220V APPLICATION)

INPUT VOLT: 220V ± 10%, 50/6	60Hz ,		•					
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-		-	
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED				;	3			
INPUT WATTS	232	259	262	271				
LINE CURRENT:	1.07	1.19	1.21	1.25				
POWER FACTOR	0.98	0.98	0.98	0.99				
BALLAST FACTOR	0.9	0.8	1.0	0.9				
EFFICACY FACTOR	0.4	0.3	0.4	0.3				
OPERATING FREQUENCY				54k	KHz			
THD				< 1	0%			
CURRENT CRESS FACTOR				X	1.7			
EMI/RFI COMPLIANCE				FCC PAI	RT 18-A			
SOUND RATING				'n	Α"			
BALLAST TYPE				INSTAN ⁻	T START			
VOLTAGE TRANSIENTS				ANSI C82.11 -	1993 / C62.41			
INHERENT THERMAL PROT.					ES			
MIN. OPERATING TEMP					32 ⁰ F)			
MAX. CASE TEMP		,		75 °C (167 ⁰ F)			
DIMMING RANGE				100% T	TO 70%			
APPROVALS/CLASS			UL /cUL LISTE	D, CLASS " P ", 1 O	UTDOOR, Class 2 Dir	nming Control		





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2011-269-3 rev B



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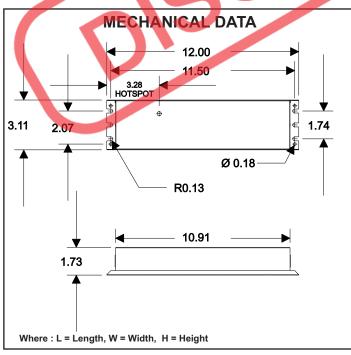
UV & tanning lamp applications

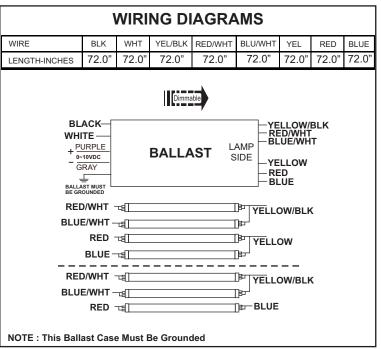
This Ballast Will Operate Following Lamps.

3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (220V APPLICATION)

INPUT VOLT: 220V ± 10%, 50/6	0Hz,							
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-		-	1
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED				4	1			
INPUT WATTS	302	334	339	354				
LINE CURRENT:	1.38	1.53	1.55	1.62				
POWER FACTOR	0.99	0.99	0.99	0.99				
BALLAST FACTOR	0.9	8.0	1.0	0.8				
EFFICACY FACTOR	0.3	0.2	0.3	0.2				
OPERATING FREQUENCY				54K	Hz			
THD				< 1	0%			
CURRENT CRESS FACTOR				< 1	.7			
EMI/RFI COMPLIANCE				FCC PAR	RT 18-A			
SOUND RATING				" /	"			
BALLAST TYPE				INSTANT	START			
VOLTAGE TRANSIENTS				NSI C82.11 -	1993 / C62.41			
INHERENT THERMAL PROT.				YE				
MIN. OPERATING TEMP				0 °C (3				
MAX. CASE TEMP				75 ⁰ C (^	167 ⁰ F)	·	·	
DIMMING RANGE				100% T	O 70%	·	·	
APPROVALS/CLASS			UL/cUL LISTED), CLASS " P ", 1 OL	JTDOOR, Class 2 Di	mming Control		





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2011-269-4 rev B



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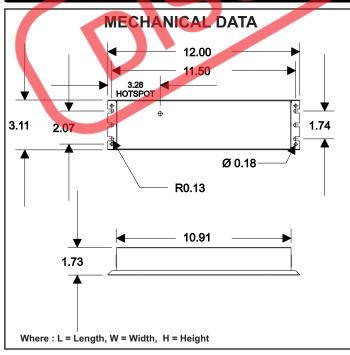
UV & tanning lamp applications

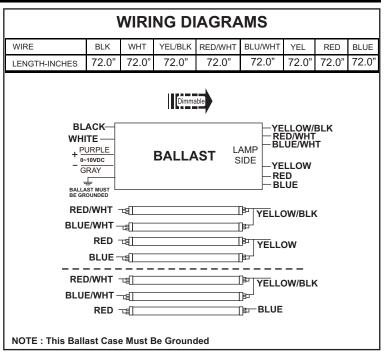
This Ballast Will Operate Following Lamps.

3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (230V APPLICATION)

INPUT VOLT: 230V ± 10%, 50/60	OHz ,							
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-		-	-
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED					3			
INPUT WATTS	231	259	262	270				
LINE CURRENT:	1.03	1.15	1.16	1.20				
POWER FACTOR	0.97	0.98	0.98	0.98				
BALLAST FACTOR	0.9	0.8	1.0	0.9				
EFFICACY FACTOR	0.4	0.3	0.4	0.3				
OPERATING FREQUENCY				541	KHz			
THD				< 1	1%			
CURRENT CRESS FACTOR					1.7			
EMI/RFI COMPLIANCE				FCC PA	_			
SOUND RATING				"	Α"			
BALLAST TYPE				INSTAN	T START			
VOLTAGE TRANSIENTS				ANSI C82.11 -	1993 / C62.41			
INHERENT THERMAL PROT.					ES			
MIN. OPERATING TEMP		7			32 ⁰ F)			
MAX. CASE TEMP				75 ⁰ C (167 ⁰ F)			
DIMMING RANGE				100%	ГО 70%			
APPROVALS/CLASS			UL/cUL LISTE	D, CLASS " P ", 1 O	UTDOOR, Class 2 l	Dimming Control		





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2011-269-5 rev B



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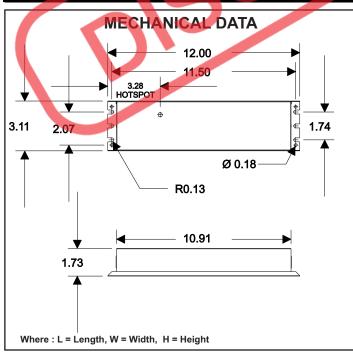
UV & tanning lamp applications

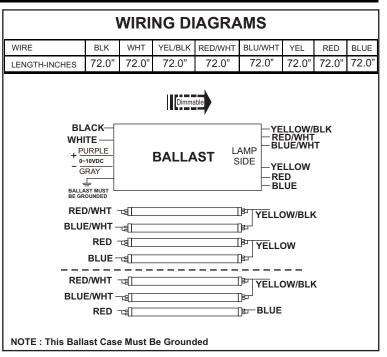
This Ballast Will Operate Following Lamps.

3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (230V APPLICATION)

INPUT VOLT: 230V ± 10%, 50/608	Hz,								
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-			-	-
LAMP RATED POWER	80W	100W	85W	100W					
LAMPS OPERATED				2			4		
INPUT WATTS	302	333	339	353					
LINE CURRENT:	1.33	1.46	1.49	1.55					
POWER FACTOR	0.99	0.99	0.99	0.99					
BALLAST FACTOR	0.9	0.8	1.0	0.8					
EFFICACY FACTOR	0.3	0.2	0.3	0.2					
OPERATING FREQUENCY				54K	Hz				
THD				< 1	0%				
CURRENT CRESS FACTOR				< 1	.7				
EMI/RFI COMPLIANCE				FCC PAF	RT 18-A				
SOUND RATING				" A	"				
BALLAST TYPE				INSTANT	START				
VOLTAGE TRANSIENTS				NSI C82.11 -	1993 / C62.41				
INHERENT THERMAL PROT.				YE					
MIN. OPERATING TEMP		•		0 °C (3					
MAX. CASE TEMP				75 °C (1	167 ⁰ F)				
DIMMING RANGE				100% T	O 70%				·
APPROVALS/CLASS			UL/cUL LISTED), CLASS " P ", 1 OL	JTDOOR, Class 2	Dimming Contro	l		





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2011-269-6 rev B



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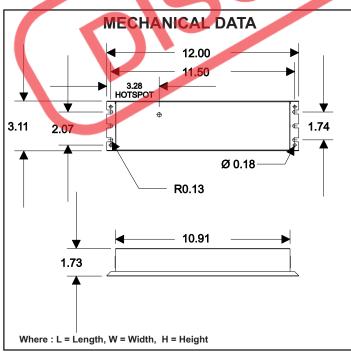
UV & tanning lamp applications

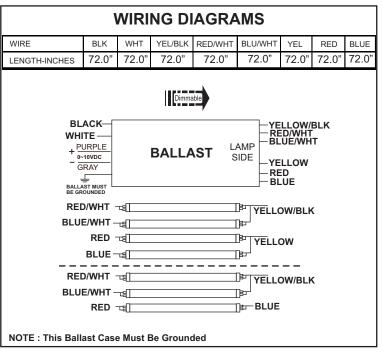
This Ballast Will Operate Following Lamps.

3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (240V APPLICATION)

Hz,							
F59T12HO	F71T12HO	F72T12HO	F73T12HO	-		-	
80W	100W	85W	100W				
				3			
231	259	262	270				
0.99	1.10	1.12	1.15				
0.97	0.98	0.98	0.98				
0.9	0.8	1.0	0.9				
0.4	0.3	0.4	0.3				
			54h	(Hz			
			< 1	2%			
				1.7			
			",	Α"			
			INSTAN ⁻	T START			
			ANSI C82.11 -	1993 / C62.41			
			75 ⁰ C (167 ⁰ F)			
	1		100% T	O 70%			
		UL /cUL LISTED,	CLASS " P ", 1 OL	JTDOOR, Class 2 D	imming Control		
	231 0.99 0.97 0.9	F59T12HO F71T12HO 80W 100W 231 259 0.99 1.10 0.97 0.98 0.9 0.8 0.4 0.3	F59T12HO F71T12HO F72T12HO 80W 100W 85W 231 259 262 0.99 1.10 1.12 0.97 0.98 0.98 0.9 0.8 1.0 0.4 0.3 0.4	F59T12HO F71T12HO F72T12HO F73T12HO 80W 100W 85W 100W 231 259 262 270 0.99 1.10 1.12 1.15 0.97 0.98 0.98 0.98 0.9 0.8 1.0 0.9 0.4 0.3 0.4 0.3 FCC PAI INSTANTANTANTANTANTANTANTANTANTANTANTANTANT	F59T12HO F71T12HO F72T12HO F73T12HO - 80W 100W 85W 100W 3 231 259 262 270	F59T12HO F71T12HO F72T12HO F73T12HO - 80W 100W 85W 100W 3 231 259 262 270	F59T12HO F71T12HO F72T12HO F73T12HO





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2011-269-7 rev B



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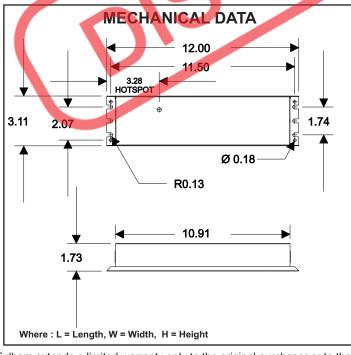
UV & tanning lamp applications

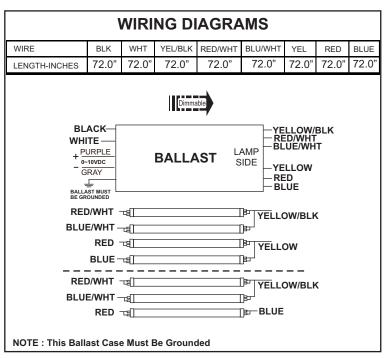
This Ballast Will Operate Following Lamps.

3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (240V APPLICATION)

			•			•		
INPUT VOLT: 240V ± 10%, 50/60	Hz,							
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-		-	
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED				4				
INPUT WATTS	303	333	339	351				
LINE CURRENT:	1.28	1.41	1.43	1.48				
POWER FACTOR	0.98	0.99	0.99	0.99				
BALLAST FACTOR	0.9	0.8	1.0	0.8				
EFFICACY FACTOR	0.3	0.2	0.3	0.2				
OPERATING FREQUENCY				54K	Hz			
THD				< 10)%			
CURRENT CRESS FACTOR				< 1	.7			
EMI/RFI COMPLIANCE				FCC PAR	RT 18-A			
SOUND RATING				" A	"			
BALLAST TYPE				INSTANT	START			
VOLTAGE TRANSIENTS				ANSI C82.11 - 1	1993 / C62.41			
INHERENT THERMAL PROT.				YE				
MIN. OPERATING TEMP				0 °C (3				
MAX. CASE TEMP				75 ⁰ C (1	67 ⁰ F)			
DIMMING RANGE				100% T	O 70%			
APPROVALS/CLASS			UL /cUL LISTE	D, CLASS " P ", 1 OU	TDOOR, Class 2 D	Dimming Control		





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2011-269-8 rev B



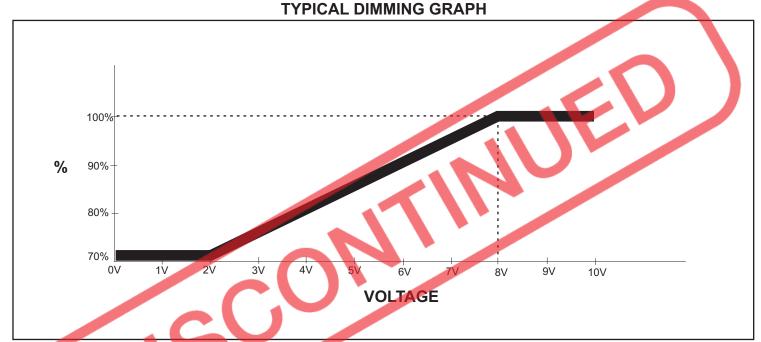
This Is An Original Product From Fulham Co., Inc

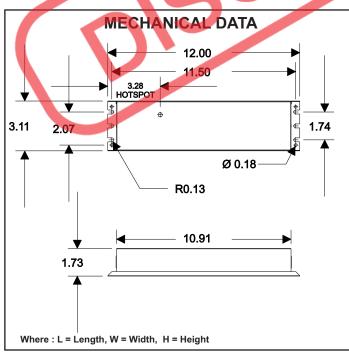
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3 OR 4 X F59T12HO, F71T12HO, F72T12HO,

F73T12HO





WIRING DIAGRAMS											
WIRE	BLK	WHT	YEL/BLK	RED/WHT	BLU/WHT	YEL	RED	BLUE			
LENGTH-INCHES	72.0"	72.0"	72.0"	72.0"	72.0"	72.0"	72.0"	72.0"			
Dimmable											
BLACK—WHITE— + PURPLE O-10VDC GRAY BALLAST SIDE BALLAST SIDE - GROUNDED BALLAST SIDE - YELLOW/BLK - RED/WHT - BLUE/WHT - SIDE - YELLOW - RED - BLUE											
	D/WHT -	-1.				OW/BL	(
BLU	=/WHT = - RED				≱ਸ਼ਾਨਦਾਾ }≱ਮ						
	BLUE-				}= <mark>YE</mark> LL(ow					
RED TELLOW/BLK											
NOTE : This Ball	ast Case	Must E	Be Ground	ded							

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2011-269-9 rev B