

## SPECIFICATION SHEET : SHGS3-MID-6-100-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 The Following Lamps.**

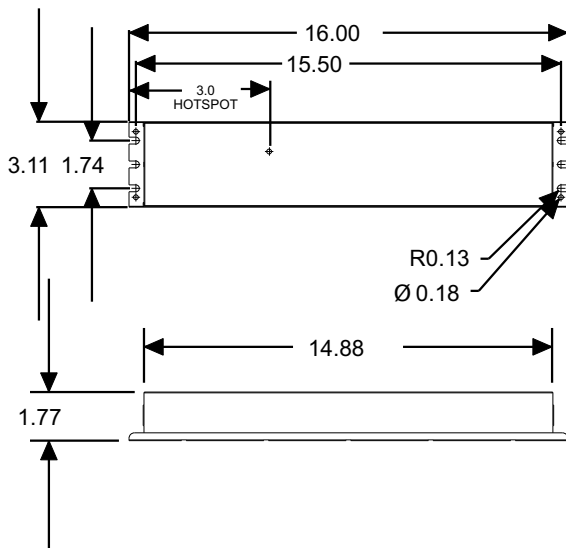


6 OR 5 X F59T12HO, F71T12HO, F72T12HO,  
F73T12HO

### ELECTRICAL DATA (208V APPLICATION)

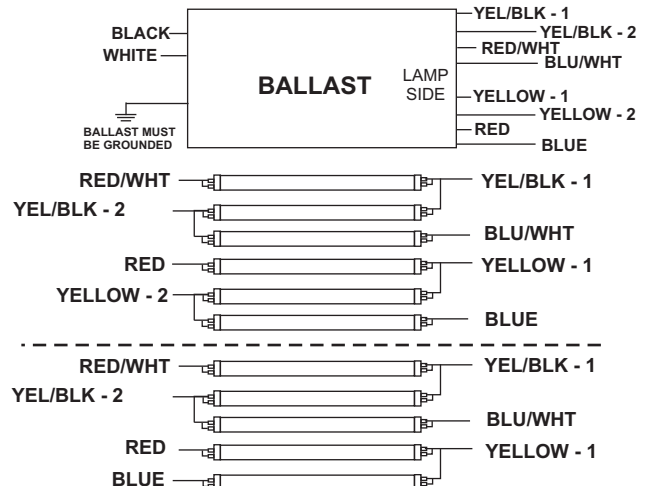
INPUT VOLT: 208V ± 10%, 50/60Hz ,								
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-	-	-	-
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED	5							
INPUT POWER: Watts	358	416	409	428				
LINE CURRENT: Amps	1.74	2.02	1.99	2.08				
POWER FACTOR	0.98	0.99	0.99	0.99				
BALLAST FACTOR	0.9	0.8	0.9	0.8				
EFFICACY FACTOR	0.2	0.2	0.2	0.2				
OPERATING FREQUENCY	54KHz							
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							

#### MECHANICAL DATA



#### 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"



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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](http://www.fulham.com) 2011-270-1 rev A

## SPECIFICATION SHEET : SHGS3-MID-6-100-L

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

**This Ballast Will Operate The Following Lamps.**

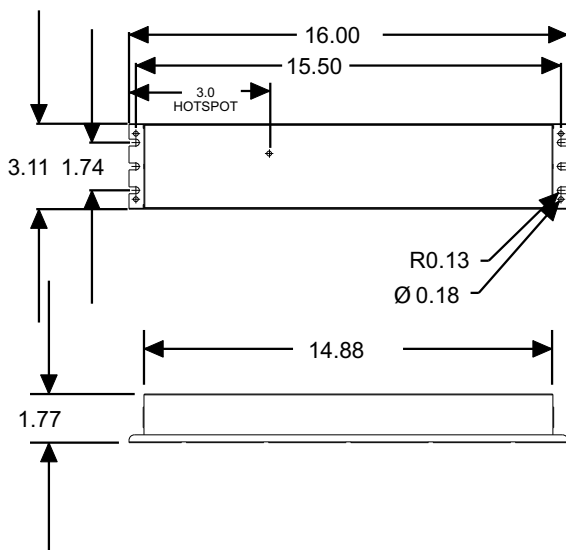


6 OR 5 X F59T12HO, F71T12HO, F72T12HO,  
F73T12HO

### ELECTRICAL DATA (208V APPLICATION)

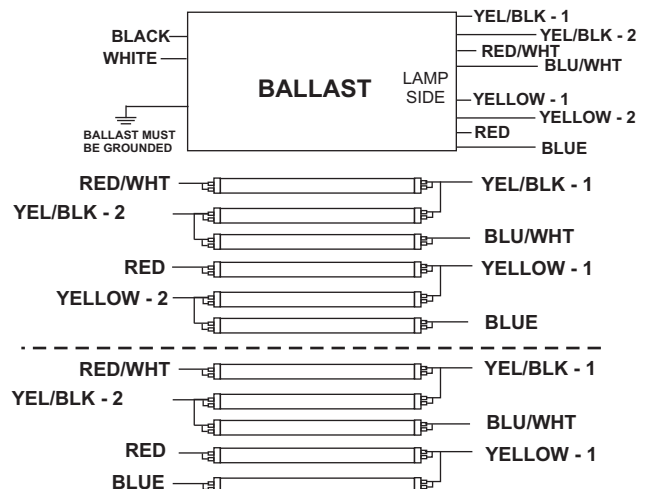
INPUT VOLT: 208V ± 10%, 50/60Hz								
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	-	-	-	-
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED	6							
INPUT POWER: Watts	433	496	492	499				
LINE CURRENT: Amps	2.10	2.40	2.38	2.42				
POWER FACTOR	0.99	0.99	0.99	0.99				
BALLAST FACTOR	0.9	0.8	0.9	0.8				
EFFICACY FACTOR	0.2	0.2	0.2	0.2				
OPERATING FREQUENCY	54KHz							
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							

### MECHANICAL DATA



### 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"



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Address : 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-599-5000, Fax.: 1-323-754-9060. Website: [www.fulham.com](http://www.fulham.com) 2011-270-2 rev A

## SPECIFICATION SHEET : SHGS3-MID-6-100-L

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

**This Ballast Will Operate The Following Lamps.**

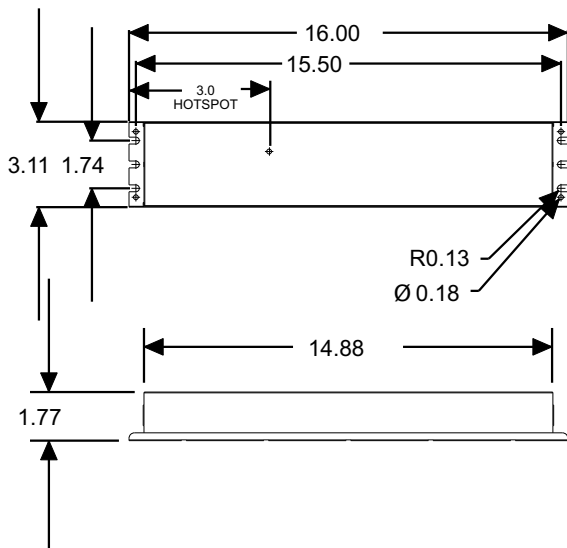


6 OR 5 X F59T12HO, F71T12HO, F72T12HO,  
F73T12HO

### ELECTRICAL DATA (220V APPLICATION)

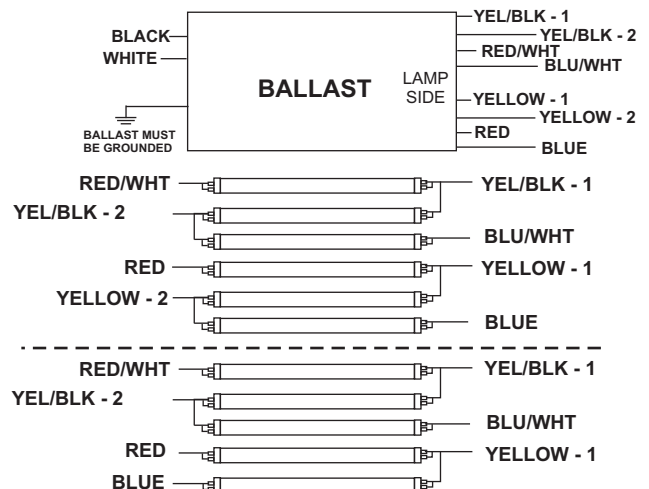
INPUT VOLT: 220V ± 10%, 50/60Hz ,					
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	
LAMP RATED POWER	80W	100W	85W	100W	
LAMPS OPERATED	5				
INPUT POWER: Watts	357	416	408	427	
LINE CURRENT: Amps	1.65	1.92	1.88	1.97	
POWER FACTOR	0.98	0.99	0.99	0.99	
BALLAST FACTOR	0.9	0.8	0.9	0.8	
EFFICACY FACTOR	0.2	0.2	0.2	0.2	
OPERATING FREQUENCY	54KHz				
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				

#### MECHANICAL DATA



#### 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"



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### SPECIFICATION SHEET : SHGS3-MID-6-100-L

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

**This Ballast Will Operate The Following Lamps.**

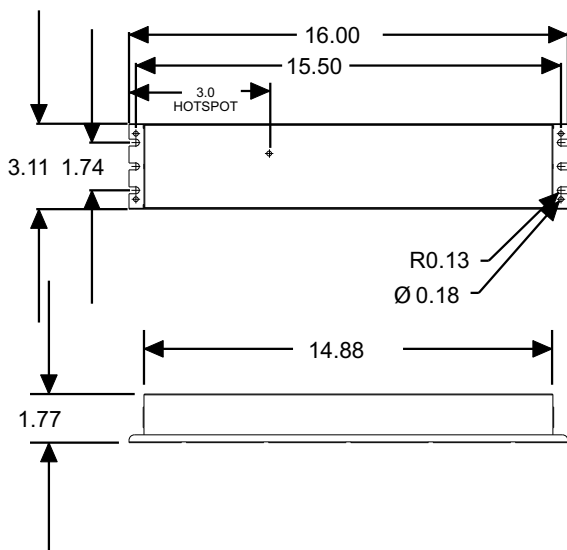


6 OR 5 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

### ELECTRICAL DATA (220V APPLICATION)

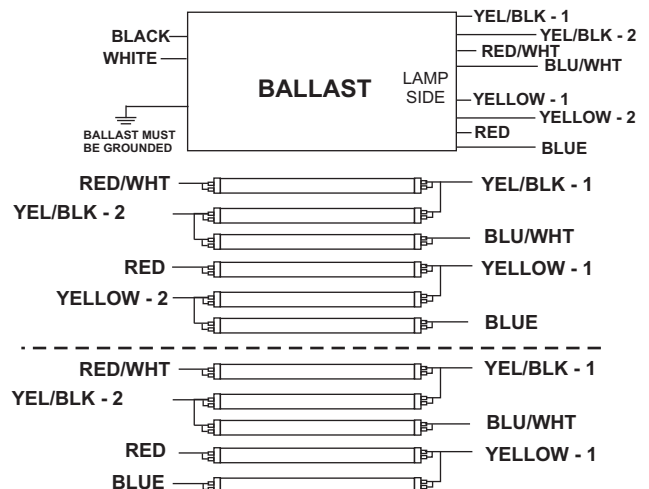
INPUT VOLT: 220V ± 10%, 50/60Hz ,								
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO				
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED	6							
INPUT POWER: Watts	431	492	490	500				
LINE CURRENT: Amps	1.98	2.25	2.24	2.30				
POWER FACTOR	0.99	0.99	0.99	0.99				
BALLAST FACTOR	0.9	0.8	0.9	0.8				
EFFICACY FACTOR	0.2	0.2	0.2	0.2				
OPERATING FREQUENCY	54KHz							
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							

### MECHANICAL DATA



### 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"



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## SPECIFICATION SHEET : SHGS3-MID-6-100-L

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

**This Ballast Will Operate The Following Lamps.**

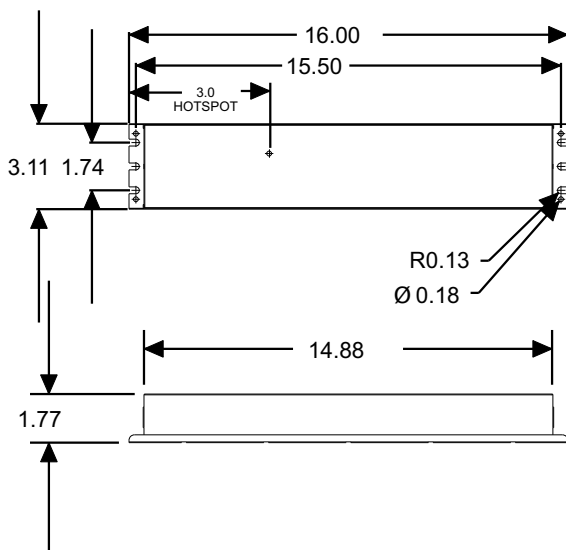


6 OR 5 X F59T12HO, F71T12HO, F72T12HO,  
F73T12HO

### ELECTRICAL DATA (230V APPLICATION)

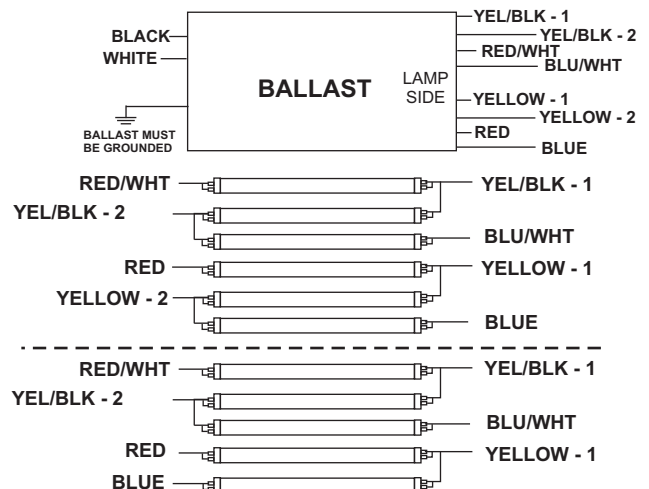
INPUT VOLT: 230V ± 10%, 50/60Hz ,								
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO				
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED	5							
INPUT POWER: Watts	357	417	407	427				
LINE CURRENT: Amps	1.59	1.85	1.80	1.88				
POWER FACTOR	0.98	0.98	0.98	0.98				
BALLAST FACTOR	0.9	0.8	0.9	0.8				
EFFICACY FACTOR	0.2	0.2	0.2	0.2				
OPERATING FREQUENCY	54KHz							
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							

### MECHANICAL DATA



### 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"



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## SPECIFICATION SHEET : SHGS3-MID-6-100-L

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

**This Ballast Will Operate The Following Lamps.**

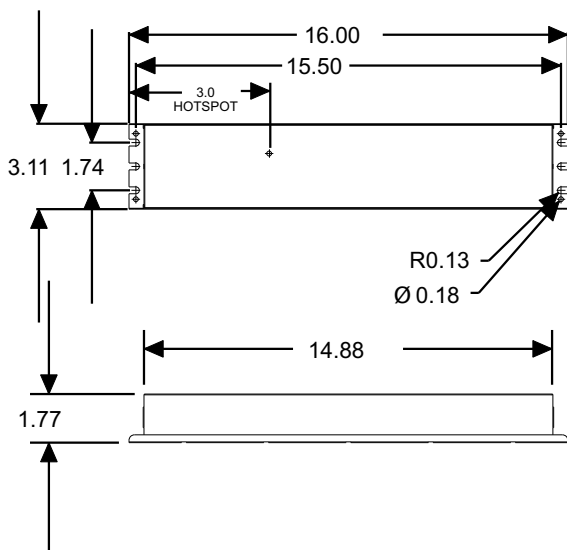


6 OR 5 X F59T12HO, F71T12HO, F72T12HO,  
F73T12HO

### ELECTRICAL DATA (230V APPLICATION)

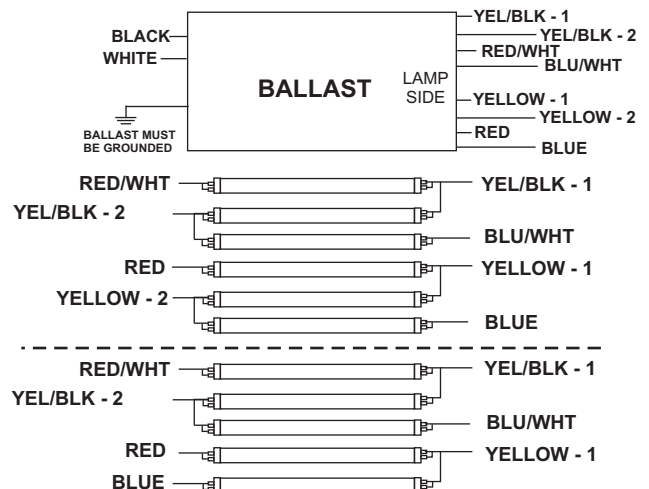
INPUT VOLT: 230V ± 10%, 50/60Hz ,								
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO				
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED	6							
INPUT POWER: Watts	430	488	489	501				
LINE CURRENT: Amps	1.90	2.15	2.15	2.21				
POWER FACTOR	0.98	0.99	0.99	0.99				
BALLAST FACTOR	0.9	0.8	0.9	0.8				
EFFICACY FACTOR	0.2	0.2	0.2	0.2				
OPERATING FREQUENCY	54KHz							
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							

#### MECHANICAL DATA



#### 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"



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## SPECIFICATION SHEET : SHGS3-MID-6-100-L

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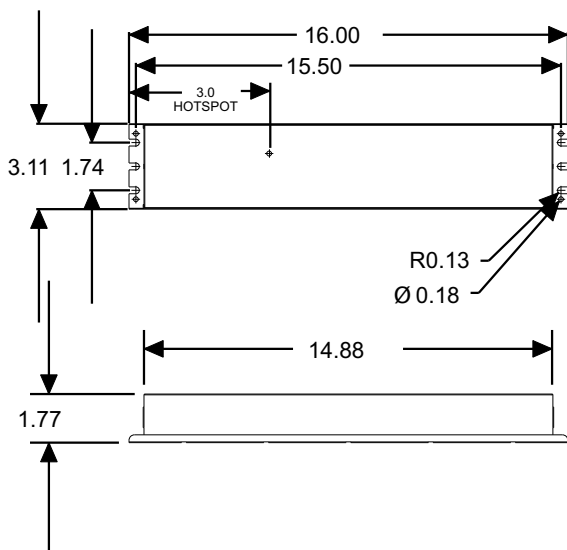


6 OR 5 X F59T12HO, F71T12HO, F72T12HO,  
F73T12HO

### ELECTRICAL DATA (240V APPLICATION)

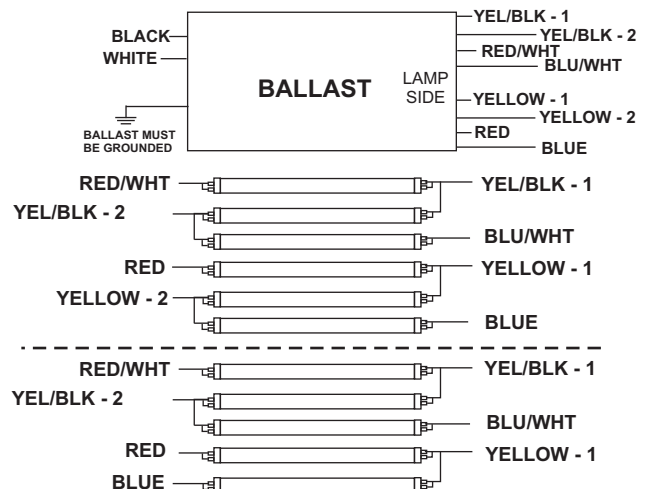
INPUT VOLT: 240V ± 10%, 50/60Hz ,					
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO	
LAMP RATED POWER	80W	100W	85W	100W	
LAMPS OPERATED	5				
INPUT POWER: Watts	357	417	407	427	
LINE CURRENT: Amps	1.53	1.77	1.73	1.81	
POWER FACTOR	0.97	0.98	0.98	0.98	
BALLAST FACTOR	0.9	0.8	0.9	0.8	
EFFICACY FACTOR	0.2	0.2	0.2	0.2	
OPERATING FREQUENCY	54KHz				
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				

### MECHANICAL DATA



### 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"



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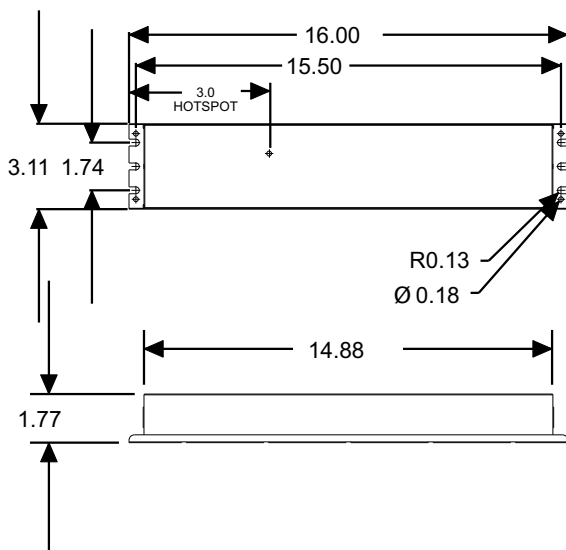


6 OR 5 X F59T12HO, F71T12HO, F72T12HO,  
F73T12HO

### ELECTRICAL DATA (240V APPLICATION)

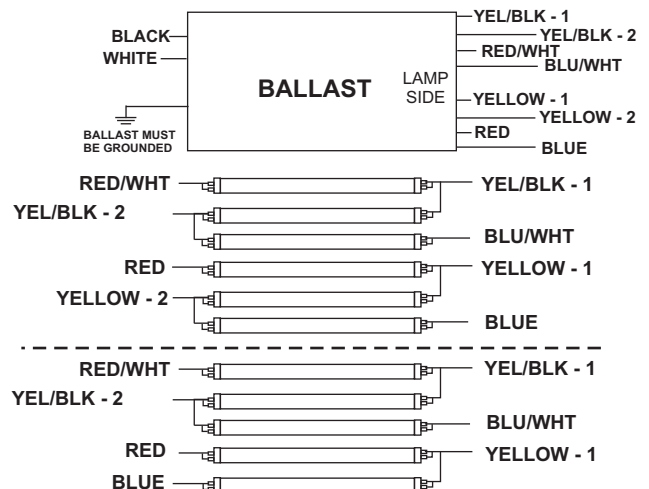
INPUT VOLT: 240V ± 10%, 50/60Hz ,								
LAMP WATTS/TYPE	F59T12HO	F71T12HO	F72T12HO	F73T12HO				
LAMP RATED POWER	80W	100W	85W	100W				
LAMPS OPERATED	6							
INPUT POWER: Watts	429	486	488	501				
LINE CURRENT: Amps	1.82	2.05	2.06	2.12				
POWER FACTOR	0.98	0.98	0.99	0.99				
BALLAST FACTOR	0.9	0.8	0.9	0.8				
EFFICACY FACTOR	0.2	0.2	0.2	0.2				
OPERATING FREQUENCY	54KHz							
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							

### MECHANICAL DATA



### 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"



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