

SPECIFICATION SHEET : SHGS2-MID-4-100-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 Following Lamps.

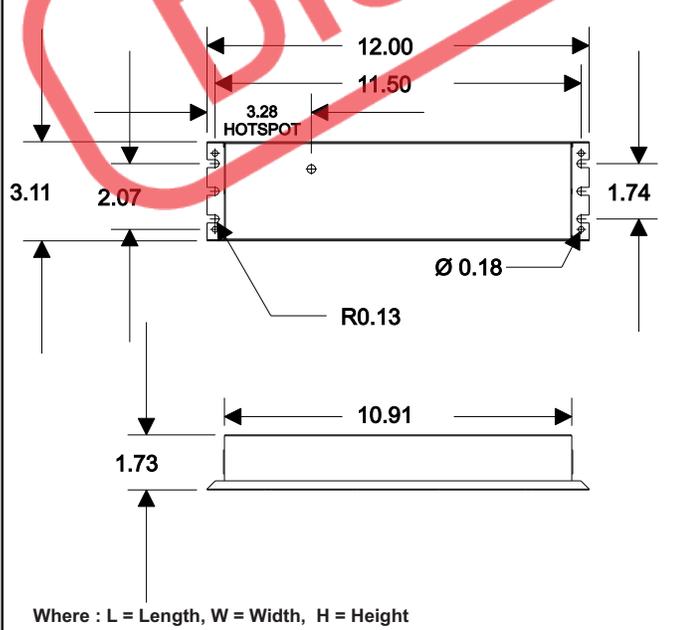


3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (208V APPLICATION)

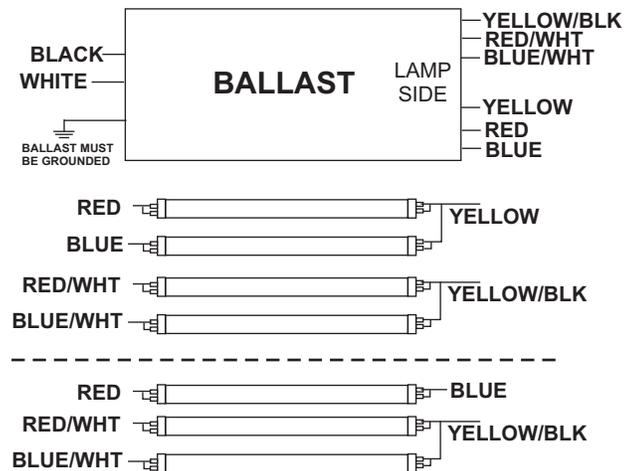
| INPUT VOLT: 208V ± 10%, 50/60Hz | | | | | | | | |
|---------------------------------|--|----------|----------|----------|----------|----------|----------|----------|
| LAMP WATTS/TYPE | F59T12HO | F71T12HO | F72T12HO | F73T12HO | F59T12HO | F71T12HO | F72T12HO | F73T12HO |
| LAMP RATED POWER | 80W | 100W | 85W | 100W | 80W | 100W | 85W | 100W |
| LAMPS OPERATED | 4 | | | | 3 | | | |
| INPUT WATTS | 346 | 385 | 386 | 389 | 268 | 292 | 296 | 298 |
| LINE CURRENT: | 1.68 | 1.86 | 1.86 | 1.88 | 1.30 | 1.41 | 1.44 | 1.45 |
| POWER FACTOR | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| BALLAST FACTOR | 1.0 | 0.9 | 1.1 | 0.9 | 1.1 | 0.9 | 1.1 | 0.9 |
| EFFICACY FACTOR | 0.3 | 0.2 | 0.3 | 0.2 | 0.4 | 0.3 | 0.4 | 0.3 |
| OPERATING FREQUENCY | 56KHz | | | | | | | |
| THD | < 10% | | | | < 15% | | | |
| 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" |



NOTE : This Ballast Case Must Be Grounded

Fulham Co., Inc extends limited warranty only to the original purchaser or to the first user for the period of 3 years from the date of manufacture as indicated by the date code stamped on each product and when properly installed and under normal conditions of use. For additional warranty guide line, please refer to our Complete Product Catalog OR call Customer Service at 1-323-599-5000.

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 2006-222-1 rev B

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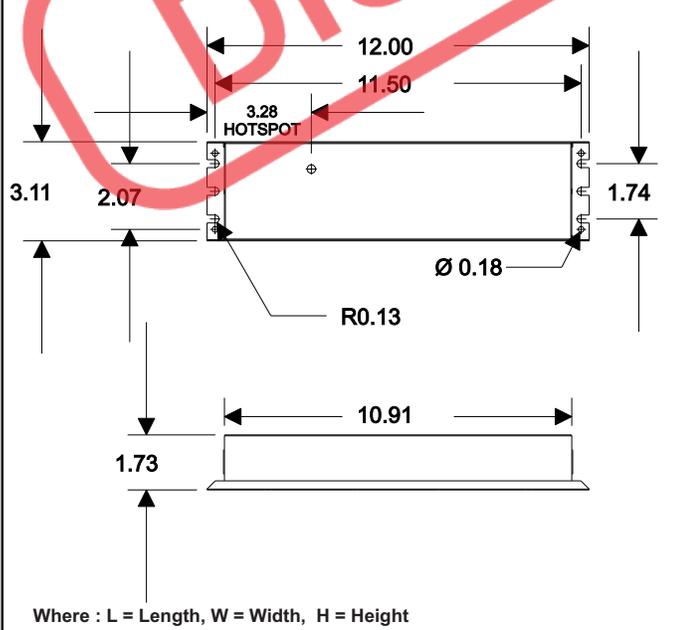


3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (220V APPLICATION)

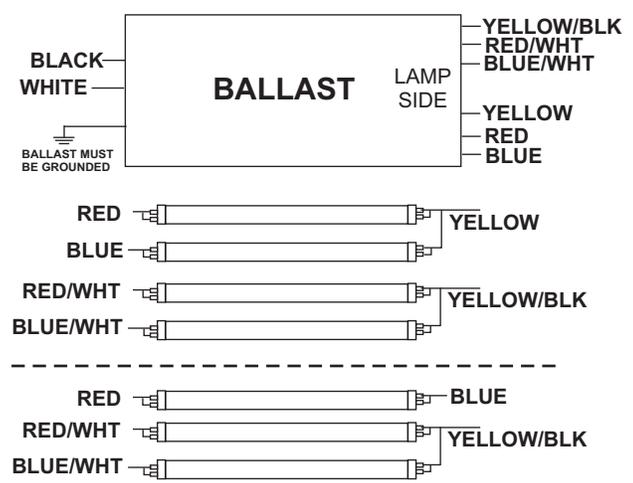
| INPUT VOLT: 220V ± 10%, 50/60Hz | | | | | | | | |
|---------------------------------|--|----------|----------|----------|----------|----------|----------|----------|
| LAMP WATTS/TYPE | F59T12HO | F71T12HO | F72T12HO | F73T12HO | F59T12HO | F71T12HO | F72T12HO | F73T12HO |
| LAMP RATED POWER | 80W | 100W | 85W | 100W | 80W | 100W | 85W | 100W |
| LAMPS OPERATED | 4 | | | | 3 | | | |
| INPUT WATTS | 346 | 385 | 386 | 389 | 268 | 292 | 296 | 298 |
| LINE CURRENT: | 1.59 | 1.77 | 1.77 | 1.79 | 1.23 | 1.34 | 1.36 | 1.37 |
| POWER FACTOR | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| BALLAST FACTOR | 1.0 | 0.9 | 1.1 | 0.9 | 1.1 | 0.9 | 1.1 | 0.9 |
| EFFICACY FACTOR | 0.3 | 0.2 | 0.3 | 0.2 | 0.4 | 0.3 | 0.4 | 0.3 |
| OPERATING FREQUENCY | 56KHz | | | | | | | |
| THD | < 10% | | | | < 15% | | | |
| 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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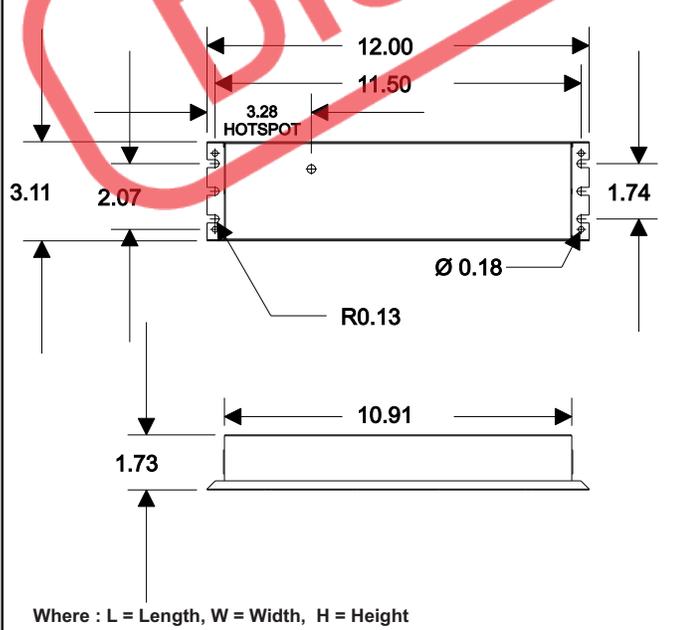


3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

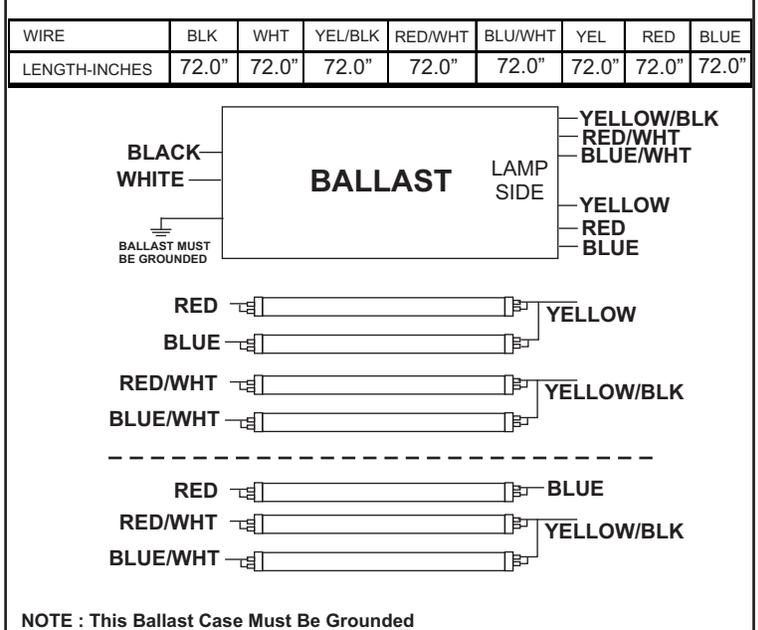
ELECTRICAL DATA (230V APPLICATION)

| INPUT VOLT: 230V ± 10%, 50/60Hz | | | | | | | | |
|---------------------------------|--|----------|----------|----------|----------|----------|----------|----------|
| LAMP WATTS/TYPE | F59T12HO | F71T12HO | F72T12HO | F73T12HO | F59T12HO | F71T12HO | F72T12HO | F73T12HO |
| LAMP RATED POWER | 80W | 100W | 85W | 100W | 80W | 100W | 85W | 100W |
| LAMPS OPERATED | 4 | | | | 3 | | | |
| INPUT WATTS | 344 | 383 | 385 | 387 | 267 | 289 | 294 | 296 |
| LINE CURRENT: | 1.51 | 1.76 | 1.77 | 1.78 | 1.24 | 1.34 | 1.36 | 1.37 |
| POWER FACTOR | 0.99 | 0.99 | 0.99 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 |
| BALLAST FACTOR | 1.0 | 0.9 | 1.1 | 0.9 | 1.1 | 0.9 | 1.1 | 0.9 |
| EFFICACY FACTOR | 0.3 | 0.2 | 0.3 | 0.2 | 0.4 | 0.3 | 0.4 | 0.3 |
| OPERATING FREQUENCY | 56KHz | | | | | | | |
| THD | < 10% | | | | < 15% | | | |
| 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



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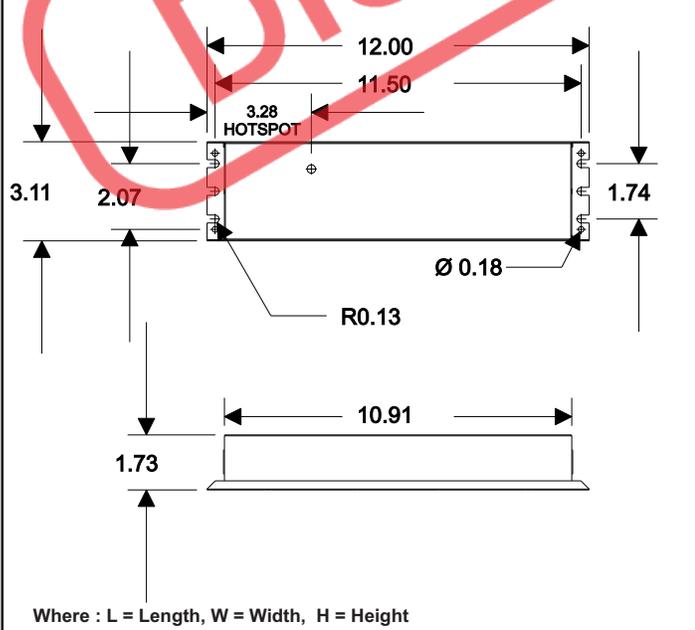


3 OR 4 X F59T12HO, F71T12HO, F72T12HO, F73T12HO

ELECTRICAL DATA (240V APPLICATION)

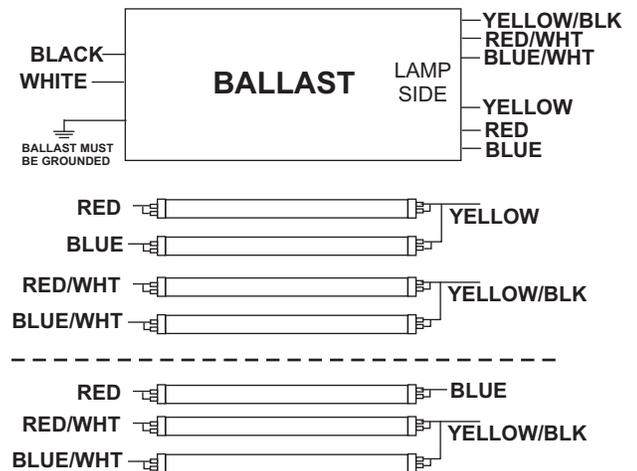
| | | | | | | | | |
|---------------------------------|--|----------|----------|----------|----------|----------|----------|----------|
| INPUT VOLT: 240V ± 10%, 50/60Hz | | | | | | | | |
| LAMP WATTS/TYPE | F59T12HO | F71T12HO | F72T12HO | F73T12HO | F59T12HO | F71T12HO | F72T12HO | F73T12HO |
| LAMP RATED POWER | 80W | 100W | 85W | 100W | 80W | 100W | 85W | 100W |
| LAMPS OPERATED | 4 | | | | 3 | | | |
| INPUT WATTS | 344 | 383 | 385 | 387 | 267 | 289 | 294 | 296 |
| LINE CURRENT: | 1.45 | 1.61 | 1.62 | 1.63 | 1.14 | 1.23 | 1.24 | 1.25 |
| POWER FACTOR | 0.99 | 0.99 | 0.99 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 |
| BALLAST FACTOR | 1.0 | 0.9 | 1.1 | 0.9 | 1.1 | 0.9 | 1.1 | 0.9 |
| EFFICACY FACTOR | 0.3 | 0.2 | 0.3 | 0.2 | 0.4 | 0.3 | 0.4 | 0.3 |
| OPERATING FREQUENCY | 56KHz | | | | | | | |
| THD | < 10% | | | | < 15% | | | |
| 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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